DOCUMENT RESUME

ED 026 282 SE 006 346

Science Education Information Report, General Bibliography Series 16, Teacher Resource Materials.
ERIC Information Analysis Center for Science Education, Columbus, Ohio.
Pub Date Dec 68
Note-93p.
EDRS Price MF-$0.50 HC-$4.75
Descriptors-Audiovisual Aids, *Bibliographies, College Science, Conservation Education, Curriculum Guides, Elementary School Science, Films, Filmstrips, Health Education, *Instruction, *Instructional Materials, Physical Sciences, *Resource Materials, Science Activities, *Science Education, Secondary School Science, Teaching Guides, Televised Instruction

This is the sixth in the second series of general bibliographies developed to disseminate information on documents analyzed at the ERIC Information Analysis Center for Science Education. Reported are some 332 citations of selected documents involving teacher resource materials for science education. The documents included are divided into major subject areas and levels in the field for quick teacher reference, and represent papers, teacher tips, conference reports, manuals, speeches, textbooks, and other types. Citations are listed in alphabetical order by author and indicate source, availability, and major ideas of the document. This bibliography is available at no cost, while the supply lasts, from the ERIC Information Analysis Center for Science Education, 1460 West Lane Avenue, Columbus, Ohio 43221. It updates, but does not replace, the earlier bibliography produced in this area by the Center. (GR)

ED0 26282

SEIAC

AN ERIC CENTER

SCIENCE
EDUCATION
INFORMATION
REPORT

General Bibliography Series

Bibliography 16

Teacher Resource Materials

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION POSITION OR POLICY.

SE 006 346

SEIAC/SCIENCE EDUCATION INFORMATION ANALYSIS CENTER

. . . an information center to organize and disseminate information and materials on science education to teachers, administrators, supervisors, researchers, and the public. A joint project of The Ohio State University and the Educational Resources Information Center of USOE.

SCIENCE EDUCATION INFORMATION REPORT

General Bibliography Series
Bibliography 16

Teacher Resource Materials

ERIC Information Analysis Center
for Science Education
1460 West Lane Avenue
Columbus, Ohio 43221

December, 1968

BIBLIOGRAPHY 16

Table of Contents Page

A. Elementary Education 1

1. Science 1

2. Mathematics 8

B. Secondary Education 9

1. Biological Sciences 9

2. Physical Sciences 12

3. Mathematics 18

4. Unclassified 20

C. College Education 21

1. Physical Sciences 21

D. General (Pertinent to Two or More Educational Levels) 60

1. Biological Sciences 60

2. Physical Sciences 67

3. Mathematics 78

4. Unclassified 79

Author Index 82

SCIENCE EDUCATION INFORMATION REPORTS

The *Science Education Information Reports* are being developed to disseminate information concerning documents analyzed at the ERIC Information Analysis Center for Science Education. The reports include five types of publications. *General Bibliographies* are being issued to announce most documents processed by the Information Analysis Center for Science Education. These bibliographies are categorized by topics and indicate the availability of the document and the major ideas included in the document. *Special Bibliographies* are being developed to announce availability of documents in selected interest areas. These bibliographies will list most significant documents that have been published in the interest area. *Guides to Resource Literature for Science Teachers* are bibliographies that identify references for the professional growth of teachers at all levels of science teaching. This series will include six separate publications. *State-of-the-Art Papers* will be issued periodically to indicate implications of research for science teaching. *Research Reviews* will be issued to analyze and synthesize research related to science education over a period of several years.

The Science Education Information Reports will be announced in the *SEIAC Newsletter* as they become available.

GENERAL BIBLIOGRAPHIES

The *General Bibliographies* are being developed to announce the documents acquired and processed by the ERIC Information Analysis Center for Science Education. The bibliographies will focus on general topics. This bibliography announces most documents related to the topic that were included in the second 2,000 documents processed by this Center. It supplements *General Bibliography 6*. Additional supplements will be issued as documents are processed.

USING BIBLIOGRAPHIC CITATIONS

All documents are listed by similar bibliographic citations. A sample citation is explained for your convenience. You will find it helpful to study the explanation of the sample citation before using this bibliography.

SAMPLE OF BIBLIOGRAPHIC CITATION

---

(1) SE 003 067 (2) 02 27 68 (3) 10 92 29 (4) 1 (5) 00 000 007
(6) SIMENDINGER, ELIZABETH A.
(7) TEAM TEACHING IN SCIENCE
(8) THE SCIENCE TEACHER
(9) 10 00 67 (10) 3
(11) *CURRICULUM DEVELOPMENT, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, *SCIENCE FACILITIES, *TEAM TEACHING, BIOLOGY, CHEMISTRY, EARTH SCIENCE, GENERAL SCIENCE, PHYSICS, PROGRAM DESCRIPTION, NATIONAL SCIENCE FOUNDATION, INTRODUCTORY PHYSICAL SCIENCES, EARTH SCIENCE CURRICULUM PROJECT

EXPLANATION OF BIBLIOGRAPHIC CITATION

(1) (SE 003 067)

This is the Science Education Center's identification number for the document. It serves as the name for the document and provides a way of locating the material.

(2) (02 27 68)

The second field contains the date the citation was typed at this Center (February 27, 1968).

(3) (10 92 29)

Field three is a code for developing bibliographies. By using this code several kinds of bibliographies can be structured by retrieval specialists or by computer programs.

(4) 1

This field indicates the level of processing of the document.

1--cataloged and indexed
2--cataloged, indexed, and annotated or abstracted
3--announced in *Research in Education*

(5) (00 000 007)

The source of the document has also been coded for computer search. This number identifies where the document can be obtained. It usually designates the same source as field seven.

(6) SIMENDINGER, ELIZABETH A.

The principal author, editor, or organization associated with the writing of the document is listed.

(7) TEAM TEACHING IN SCIENCE

Title of the document.

(8) THE SCIENCE TEACHER

This indicates where the document was obtained by the Center.

(9) (10 00 67)

This field designates the publication date of the document (October, 1967). The first set of two numerics represents the month; the second, the day of the month; and the third, the year. In most cases the date is obtained from the document. In a few cases, when no date of publication is on the document, the date is estimated based on the best information available in the document.

(10) 3

Field ten identifies the number of pages in the document. This document contains three pages. Use of this field will provide information concerning the length of the document.

(11) *CURRICULUM DEVELOPMENT, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, *SCIENCE FACILITIES, *TEAM TEACHING, BIOLOGY, CHEMISTRY, EARTH SCIENCE, GENERAL SCIENCE, PHYSICS, PROGRAM DESCRIPTION, NATIONAL SCIENCE FOUNDATION, INTRODUCTORY PHYSICAL SCIENCES, EARTH SCIENCE CURRICULUM PROJECT

This field provides an indication of the ideas included in the document. Each term, such as *INSTRUCTION, has been selected by an information analyst because the term is important for the identification of the document. Terms marked with an asterisk represent primary ideas in the document; the other terms represent ideas of lesser importance. You can use this information to narrow the number of documents you want to review.

A. ELEMENTARY EDUCATION

1. Science

1. SE 003 821 04 19 68 18 86 20 1 00 000 004
ANDERSON, RONALD D.
CHILDREN AND SCIENTIFIC MODELS

SCHOOL SCIENCE AND MATHEMATICS

12 00 67 4
*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *MODELS (MENTAL),
*SCIENTIFIC METHODOLOGY

2. SE 003 382 09 25 68 18 91 20 1 00 000 014
BRANLEY, FRANKLYN M.
CHANGE - A BASIC CONDITION

THE GRADE TEACHER

01 00 60 3
*CHANGE, *ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL OBJECTIVES,
*SCIENTIFIC CONCEPTS

3. SE 003 394 07 10 68 18 81 20 1 00 000 014
BRANLEY, FRANKLYN M.
FACTS - HAPHAZARD OR ORGANIZED?

THE GRADE TEACHER

09 00 59 3
*DATA ANALYSIS, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION,
*SCIENTIFIC METHODOLOGY, *SCIENCE ACTIVITIES

4. SE 003 632 03 20 68 18 81 03 1 00 000 006
BROWN, STANLEY B.
ELEMENTARY SCIENCE BIBLIOGRAPHY

SCIENCE EDUCATION

03 00 64 8
*BIBLIOGRAPHIES, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL
MATERIALS, ANNOTATED BIBLIOGRAPHIES, EVALUATION, PAMPHLETS,
PROFESSIONAL PUBLICATIONS, REFERENCE MATERIALS, TEACHER
SOURCEBOOKS, TEXTBOOKS, YEARBOOKS, 1964

5. SE 002 774 08 22 68 02 71 15 2 44 000 480
ELEMENTARY SCHOOL SCIENCE PROJECT
SCIENCE FOR FIRST GRADE - A MANUAL FOR TEACHERS

UTAH STATE UNIVERSITY, ELEMENTARY SCHOOL SCIENCE
PROJECT, LOGAN

64 114
*CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *GRADE 1, *GENERAL SCIENCE, STUDENT ACTIVITIES, *TEACHING GUIDES, INSTRUCTIONAL MATERIALS, COURSE OBJECTIVES, TEACHING METHODS, UTAH STATE UNIVERSITY, ELEMENTARY SCHOOL SCIENCE PROJECT

6. SE 003 250 03 04 68 18 55 15 2 00 000 210
ELEMENTARY SCIENCE STUDY
BATTERIES AND BULBS, BOOK I - CIRCUITS I

MCGRAW-HILL BOOK COMPANY

66 51
*BATTERIES, *CIRCUITS, *ELEMENTARY SCHOOL SCIENCE, *ELECTRICITY, *INSTRUCTION, *MAGNETISM, *PHYSICAL SCIENCES, *STUDENT ACTIVITIES, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, NATIONAL SCIENCE FOUNDATION, EDUCATIONAL SERVICES, INC.

7. SE 003 258 03 04 68 18 55 15 2 00 000 210
ELEMENTARY SCIENCE STUDY
BATTERIES AND BULBS, BOOK 2 - CIRCUITS AND MAGNETS

MCGRAW-HILL BOOK COMPANY

66 29
*BATTERIES, *CIRCUITS, *ELECTROMAGNETS, *ELEMENTARY SCHOOL SCIENCE, *ELECTRICITY, *MAGNETISM, *PHYSICAL SCIENCES, *STUDENT ACTIVITIES, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, INSTRUCTION, NATIONAL SCIENCE FOUNDATION, EDUCATIONAL SERVICES, INC.

8. SE 003 281 09 25 68 18 55 15 2 00 000 210
ELEMENTARY SCIENCE STUDY
BATTERIES AND BULBS, BOOK 3 - CIRCUITS II

MCGRAW-HILL BOOK COMPANY

66 28
*BATTERIES, *CIRCUITS, *ELECTRICITY, *ELEMENTARY SCHOOL SCIENCE, *PARALLEL CIRCUITS, *PHYSICAL SCIENCES, *ELECTRICAL RESISTANCE, *SERIES CIRCUITS, *STUDENT ACTIVITIES, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, NATIONAL SCIENCE FOUNDATION, EDUCATIONAL SERVICES, INC., INSTRUCTION

9. SE 003 279 03 04 68 18 55 15 1 00 000 210
ELEMENTARY SCIENCE STUDY
BATTERIES AND BULBS, BOOK 4 - GUIDE TO BOOKS

MCGRAW-HILL BOOK COMPANY

66 14
*ANNOTATED BIBLIOGRAPHIES, *ELEMENTARY SCHOOL SCIENCE, *ELECTRICITY, *PHYSICAL SCIENCES, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, *STUDENT ACTIVITIES, *TEACHING GUIDES, BIBLIOGRAPHIES, BATTERIES, BULBS, MAGNETS, NATIONAL SCIENCE FOUNDATION, ELEMENTARY SCIENCE STUDY, EDUCATIONAL SERVICES, INC.

10. SE 002 490 09 24 68 18 11 15 2 21 000 291
ELEMENTARY SCIENCE STUDY
BEHAVIOR OF MEALWORMS

MCGRAW-HILL BOOK COMPANY

66 57
*BEHAVIOR, *BIOLOGY, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, *TEACHING GUIDES, INSTRUCTIONAL MATERIALS, INSTRUCTION, RESOURCE MATERIALS, SCIENCE COURSE IMPROVEMENT PROJECT, SCIENCE UNITS, ELEMENTARY SCIENCE STUDY, EDUCATIONAL SERVICES, INC.

11. SE 002 497 09 24 68 18 72 15 2 21 000 291
ELEMENTARY SCIENCE STUDY
GASES AND "AIRS"

MCGRAW-HILL BOOK COMPANY

67 138
*CURRICULUM DEVELOPMENT, *CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *GENERAL SCIENCE, *INSTRUCTIONAL MATERIALS, *PHYSICAL SCIENCES, *SCIENCE ACTIVITIES, *TEACHING GUIDES, ELEMENTARY SCIENCE STUDY, EDUCATIONAL SERVICES, INC., WATERTOWN, MASSACHUSETTS, ALFRED P. SLOAN FOUNDATION, VICTORIA FOUNDATION, NATIONAL SCIENCE FOUNDATION

12. SE 002 489 04 18 68 18 81 15 2 21 000 291
ELEMENTARY SCIENCE STUDY
GROWING SEEDS

MCGRAW-HILL BOOK COMPANY

67 45
*BIOLOGY, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, *SCIENCE COURSE IMPROVEMENT PROJECT, *SCIENCE MATERIALS, *TEACHING GUIDES, AUDIOVISUAL AIDS, BOTANY, RESOURCE MATERIALS, SCIENCE UNITS, ELEMENTARY SCIENCE STUDY, EDUCATIONAL SERVICES, INC.

13. SE 002 496 09 24 68 18 31 15 2 21 000 291
ELEMENTARY SCIENCE STUDY
KITCHEN PHYSICS

MCGRAW-HILL BOOK COMPANY

67 103
*CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *PHYSICS, *TEACHING GUIDES, FILM LOOPS, *INSTRUCTIONAL MATERIALS, SCIENCE ACTIVITIES, SCIENCE UNITS, ELEMENTARY SCIENCE STUDY, EDUCATIONAL SERVICES INCORPORATED, WATERTOWN, MASSACHUSETTS, ALFRED P. SLOAN FOUNDATION, VICTORIA FOUNDATION, NATIONAL SCIENCE FOUNDATION

14. SE 002 488 04 19 68 18 11 37 2 21 000 291
ELEMENTARY SCIENCE STUDY
THE MICROGARDENING COOKBOOK

MCGRAW-HILL BOOK COMPANY

65 27
*BIOLOGY, *ELEMENTARY SCHOOL SCIENCE, *MICROBIOLOGY, *RESOURCE MATERIAL, *SCIENCE COURSE IMPROVEMENT PROJECT, *SCIENCE MATERIALS, *TEACHING GUIDES, ELEMENTARY SCIENCE STUDY, EDUCATIONAL SERVICES, INC.

15. SE 002 508 10 01 68 18 71 15 2 21 000 291
ELEMENTARY SCIENCE STUDY
MYSTERY POWDERS - TEACHERS' GUIDE, TRAIL EDITION

EDUCATIONAL SERVICES, INC.

66 23
*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, *SCIENCE ACTIVITIES, *TEACHING GUIDES, CURRICULUM DEVELOPMENT, GENERAL SCIENCE, GRADE 4, GRADE 5, INSTRUCTION, PHYSICAL SCIENCES, ELEMENTARY SCIENCE STUDY, NATIONAL SCIENCE FOUNDATION

16. SE 002 498 11 06 67 18 31 15 2 21 000 291
ELEMENTARY SCIENCE STUDY
PENDULUMS

MCGRAW-HILL BOOK COMPANY

66 49
*ELEMENTARY SCHOOL SCIENCE, *PHYSICS, *SCIENCE EXPERIMENTS, *TEACHING GUIDES, INDUCTIVE METHODS, MECHANICS, PERIODIC MOTION, SCIENCE EQUIPMENT, TEACHING TECHNIQUES, ELEMENTARY SCIENCE STUDY, EDUCATIONAL SERVICES INCORPORATED

17. SE 002 492 09 24 68 18 41 15 2 09 000 210
ELEMENTARY SCIENCE STUDY
ROCKS AND CHARTS

MC GRAW-HILL BOOK COMPANY

67 22
*EARTH SCIENCE, *ELEMENTARY SCHOOL SCIENCE, *GEOLOGY, *INSTRUCTIONAL MATERIALS, *TEACHING GUIDES (SOURCEBOOKS), CURRICULUM, INSTRUCTION, SCIENCE ACTIVITIES, ELEMENTARY SCIENCE STUDY, NATIONAL SCIENCE FOUNDATION

18. SE 002 487 04 19 67 18 11 15 2 21 000 291
ELEMENTARY SCIENCE STUDY
TEACHER'S GUIDE FOR MICROGARDENING

MCGRAW-HILL BOOK COMPANY

104
*ELEMENTARY SCHOOL SCIENCE, *MICROBIOLOGY, *MOLDS, *SCIENCE ACTIVITIES, *SCIENCE MATERIALS, *TEACHING GUIDES, *SCIENCE UNITS, INSTRUCTIONAL MATERIALS, RESOURCE MATERIALS, SECONDARY SCHOOL SCIENCE, SCIENCE COURSE IMPROVEMENT PROJECT, ELEMENTARY SCIENCE STUDY, EDUCATIONAL SERVICES, INC.

19. SE 001 770 09 23 68 18 91 16 3 10 000 200
GEORGIA STATE DEPARTMENT OF EDUCATION
SCIENCE FOR GEORGIA SCHOOLS - INTERMEDIATE

GEORGIA STATE DEPARTMENT OF EDUCATION

65 168
*CURRICULUM DEVELOPMENT, *CURRICULUM GUIDES, *ELEMENTARY SCHOOL SCIENCE, *TEACHER GUIDES, BIBLIOGRAPHIES, BIOLOGY, EARTH SCIENCE, GRADE 4, GRADE 5, GRADE 6, PHYSICAL SCIENCES, SCIENCE ACTIVITIES, TEACHER RESOURCE MATERIALS, GEORGIA

20. SE 002 954 09 24 68 18 91 15 1 05 000 155
LOS ANGELES CITY SCHOOLS
SCIENCE IN THE ELEMENTARY SCHOOL - BASIC MATERIAL FOR GRADES KINDERGARTEN THROUGH SIX

LOS ANGELES CITY SCHOOLS, CALIFORNIA

62 230
*AUDIOVISUAL AIDS, *BIBLIOGRAPHIES, *BIOLOGY, *ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL OBJECTIVES, *INSTRUCTIONAL MATERIALS, *PROBLEM SOLVING, *SCIENCE ACTIVITIES, *TEACHING GUIDES, BOTANY, EARTH SCIENCE, ENERGY, KINDERGARTEN, LABORATORY SAFETY, MACHINES, SPACE SCIENCE, ZOOLOGY, CALIFORNIA, LOS ANGELES, 1961

21. SE 003 387 08 13 68 17 81 38 1 00 000 014
MILGROM, HARRY
SCIENCE QUERY OF THE MONTH

THE GRADE TEACHER

01 00 60 1
*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, *SCIENCE
MATERIALS, *INSTRUCTIONAL AIDS, FILMS, FILMSTRIPS, GLOBES, MODELS,
PICTURES, RECORDINGS

22. SE 003 386 07 10 68 18 91 20 1 00 000 014
MILGROM, HARRY
YOU ASKED ABOUT SCIENCE

THE GRADE TEACHER

12 00 59 4
*EVALUATION, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *REFERENCE
MATERIALS, *SCIENCE MATERIALS, *SCIENCE EQUIPMENT, *TEACHING
TECHNIQUES, BIOLOGY, CURRICULUM, CONTENT SELECTION, EARTH SCIENCE,
SCIENCE UNITS

23. SE 003 442 07 11 68 18 51 20 1 00 000 010
RUCHLIS, HY
RADIO WAVES

SCIENCE AND CHILDREN

09 00 67 2
*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *PHYSICAL SCIENCES,
*SCIENCE ACTIVITIES, *STUDENT ACTIVITIES, INSTRUCTIONAL
MATERIALS, RESOURCE MATERIALS, RADIO

24. SE 003 731 09 26 68 18 71 15 2 00 000 367
SCIENCE CURRICULUM IMPROVEMENT STUDY
ENERGY - A SCIENCE UNIT FOR THE UPPER ELEMENTARY GRADES

SCIENCE CURRICULUM IMPROVEMENT STUDY, UNIVERSITY OF
CALIFORNIA, BERKELEY

67 106
*ENERGY, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION,
*PHYSICAL SCIENCES, *SCIENCE ACTIVITIES, *TEACHING
GUIDES, GRADE 5, GRADE 6, NATIONAL SCIENCE FOUNDATION

25. SE 002 553 02 14 68 18 91 15 2 00 000 211
SCIENCE CURRICULUM IMPROVEMENT STUDY
INTERACTION TEACHER'S GUIDE

D. C. HEATH AND COMPANY

67 104
*CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *PHYSICAL
SCIENCE, *SCIENCE COURSE IMPROVEMENT PROJECT, *SCIENCE ACTIVITIES,
*TEACHING GUIDES, CONCEPT FORMATION, INTERACTION, PHYSICS, SCIENCE
KITS, TEACHING METHODS, SCIENCE EQUIPMENT, NATIONAL SCIENCE
FOUNDATION, SCIENCE CURRICULUM IMPROVEMENT STUDY

26. SE 003 048 09 04 68 18 51 15 2 00 000 367
SCIENCE CURRICULUM IMPROVEMENT STUDY
TEACHER'S GUIDE FOR POSITION AND MOTION - A SCIENCE UNIT FOR THE UPPER ELEMENTARY GRADES

SCIENCE CURRICULUM IMPROVEMENT STUDY, UNIVERSITY OF CALIFORNIA, BERKELEY 94720

09 00 67 77
*CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *MOTION, *PHYSICAL SCIENCES, *SCIENCE UNITS, *TEACHING GUIDES, DISCOVERY LEARNING, SCIENCE EQUIPMENT, SCIENCE COURSE IMPROVEMENT PROJECT, NATIONAL SCIENCE FOUNDATION, SCIENCE CURRICULUM IMPROVEMENT STUDY

27. SE 002 622 07 08 68 17 21 20 1 00 000 010
SHAW, DARLA
KITCHEN CHEMISTRY

SCIENCE AND CHILDREN

02 00 67 2
*CHEMISTRY, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, *INSTRUCTION, *SCIENCE ACTIVITIES, *SCIENCE UNITS, RESOURCE MATERIALS, SCIENCE MATERIALS, SCIENCE EQUIPMENT

28. SE 003 447 09 25 68 18 25 20 2 00 000 010
SEELEY, MILLARD G.
CHANGES IN MATTER

SCIENCE AND CHILDREN

09 00 67 4
*CHEMICAL CHANGE, *CHEMISTRY, *CLASSIFICATION, *COLLEGE SCIENCE, *MATTER, *PHYSICAL SCIENCES, COMMUNICATIONS, ENERGY, MOLECULES, RESOURCE MATERIALS, NATIONAL SCIENCE TEACHERS ASSOCIATION

29. SE 003 614 07 11 68 10 81 20 2 00 000 006
SMITH, EUGENE H.
AN ANALYSIS OF SOME PROMINENT VIEWPOINTS ON TEACHING ELEMENTARY SCHOOL SCIENCE

SCIENCE EDUCATION

03 00 63 6
*EDUCATIONAL OBJECTIVES, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *OBJECTIVES, *TEXTBOOKS, *TEACHING METHODS, COURSE CONTENT, PROGRAM CONTENT

30. SE 002 280 04 30 68 18 81 11 2 00 000 170
VESSEL, M. F.
ELEMENTARY SCHOOL SCIENCE TEACHING

THE CENTER FOR APPLIED RESEARCH IN EDUCATION

63 119
*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *TEACHER EDUCATION, CURRICULUM, CURRICULUM PLANNING, EDUCATIONAL OBJECTIVES, EVALUATION, FIELD TRIPS, INSTRUCTION MATERIALS, PROBLEM SOLVING, SCIENCE FACILITIES, SCIENCE EDUCATION HISTORY, SCIENCE EQUIPMENT, TEACHING METHODS, TEXTBOOKS

2. Mathematics

1. SE 003 896 09 30 68 18 09 15 2 04 000 200
ARKANSAS STATE DEPARTMENT OF EDUCATION
CONTEMPORARY MATHEMATICS GUIDELINES FOR ARKANSAS ELEMENTARY SCHOOLS

ARKANSAS STATE DEPARTMENT OF EDUCATION

66 29
*ARITHMETIC, *ELEMENTARY SCHOOL MATHEMATICS, *GEOMETRY, *SET THEORY, *TEACHING TECHNIQUES, AUDIOVISUAL AIDS, BIBLIOGRAPHIES, GLOSSARIES, INSTRUCTION, MATHEMATICS, NUMBER CONCEPTS, NUMBER SYSTEMS, PROBLEM SOLVING, TEACHING GUIDES, ARKANSAS

2. SE 003 760 06 06 68 18 09 03 3 13 000 200
ILLINOIS STATE DEPARTMENT OF EDUCATION
BIBLIOGRAPHIES - ELEMENTARY SCHOOL MATHEMATICS

EDRS, NATIONAL CASH REGISTER COMPANY

08 00 66 36
*BIBLIOGRAPHIES, *ELEMENTARY SCHOOL MATHEMATICS, *MATHEMATICS, *REFERENCE MATERIALS, ANNOTATED BIBLIOGRAPHIES, LIBRARY MATERIALS, TEACHER EDUCATION, TEXTBOOKS

B. SECONDARY EDUCATION

1. Biological Sciences

1. SE 003 483 09 10 68 18 12 30 1 00 000 001
BEHRINGER, MARJORIE
USE OF THE VINEGAR EEL IN THE LABORATORY

THE AMERICAN BIOLOGY TEACHER

10 00 67 8
*BIOLOGY, *SCIENCE EXPERIMENTS, *SCIENCE MATERIALS, *SECONDARY SCHOOL SCIENCE, INSTRUCTIONAL MATERIALS, LABORATORY TECHNIQUES, SCIENCE ACTIVITIES, VINEGAR EEL

2. SE 002 964 06 06 68 17 12 11 3 00 000 388
BELFIELD, W.
MODELS AND METHODS IN PRACTICAL BIOLOGY FOR SECONDARY SCHOOL

PERGAMON PRESS

66 163
*BIOLOGY, *BOTANY, *INSTRUCTIONAL MATERIALS, *LABORATORY PROCEDURES, *PHYSIOLOGY, *RESOURCE MATERIALS, *SECONDARY SCHOOL SCIENCE, *LABORATORY MANUALS, SCIENCE ACTIVITIES, TEXTBOOKS

3. SE 002 370 04 03 68 18 12 17 2 22 000 319
BENNETT, WILLIAM Y.
PLANT COMMUNITIES OF SELECTED DUNES AND SANDY AREAS OF FLORIDA - AS LABORATORIES FOR HIGH SCHOOL BIOLOGY

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

61 151
*BIOLOGY, *ECOLOGY, *FIELD STUDIES, *INSTRUCTION, *OUTDOOR EDUCATION, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, BOTANY, DOCTORAL THESES, RESEARCH REPORTS, FLORIDA, 1961

4. SE 003 046 07 09 68 18 12 15 1 13 000 176
CHICAGO PUBLIC SCHOOLS
SUPPLEMENT TO TEACHING GUIDE FOR SCIENCE

CHICAGO PUBLIC SCHOOLS, ILLINOIS

61 247
*BIOLOGY, *CURRICULUM, *INSTRUCTIONAL MATERIALS, *STUDENT ACTIVITIES, *SCIENCE UNITS, *SECONDARY SCHOOL SCIENCE, *TEACHER GUIDES, AUDIOVISUAL AIDS, BIBLIOGRAPHIES, CURRICULUM GUIDES, EDUCATIONAL OBJECTIVES, ECOLOGY, FILMS, FILMSTRIPS, MODELS, CHICAGO PUBLIC SCHOOLS, 1961

5. SE 003 265 09 09 68 18 12 30 1 00 000 045
ESCALANTE, A . YORK
HOW TO MOUNT AND PRESERVE INSECTS

NEA JOURNAL

10 00 55 2
*BIOLOGY, *ENTOMOLOGY, *LABORATORY TECHNIQUES, *SECONDARY
SCHOOL SCIENCE, SCIENCE MATERIALS, SCIENCE ACTIVITIES

6. SE 003 486 09 10 68 18 12 30 1 00 000 001
GANTERT, ROBERT L.
THE PREPARATION OF SKELETAL MOUNTS

THE AMERICAN BIOLOGY TEACHER

10 00 67 4
*BIOLOGY, *COLLEGE SCIENCE, *DISSECTION, *LABORATORY TECHNIQUES,
*SECONDARY SCHOOL SCIENCE, ANATOMY, INSTRUCTIONAL MATERIALS,
SKELETAL MOUNTS, SCIENCE ACTIVITIES

7. SE 003 492 09 10 68 17 12 36 1 00 000 001
KENNEDY, MANERT
BIOLOGICAL SCIENCES CURRICULUM STUDY SINGLE TOPIC FILMS

THE AMERICAN BIOLOGY TEACHER

10 00 67 5
*BIOLOGY, *INSTRUCTIONAL MATERIALS, *SINGLE CONCEPT FILMS,
*SECONDARY SCHOOL SCIENCE, AUDIOVISUAL AIDS, FILMS,
BIOLOGICAL SCIENCES CURRICULUM STUDY

8. SE 003 488 09 10 68 18 12 38 1 00 000 001
MASTERS, CHARLES O.
REQUIREMENTS FOR THE CULTURING OF SEA ANIMALS

THE AMERICAN BIOLOGY TEACHER

10 00 67 4
*BIOLOGY, *LABORATORY TECHNIQUES, *OCEANOLOGY, *SCIENCE
MATERIALS, *SECONDARY SCHOOL SCIENCE, COLLEGE SCIENCE,
MARINE BIOLOGY, ZOOLOGY

9. SE 000 760 09 23 68 18 92 35 3 32 000 200
NEW YORK STATE DEPARTMENT OF EDUCATION
SCIENCE 7, 8, 9 BLOCK A - TAKING CARE OF OURSELVES

EDRS, NATIONAL CASH REGISTER COMPANY

82
*GENERAL SCIENCE, *HEALTH, *SECONDARY SCHOOL SCIENCE, *SYLLABUS, *TEACHER RESOURCE MATERIALS, COURSE CONTENT, GRADE 7, GRADE 8, GRADE 9, SCIENCE ACTIVITIES

10. SE 001 353 09 23 68 18 12 38 3 51 000 239
PORTER, T. R.
BIOLOGICAL SCIENCE TEACHING TIPS FROM TST (A COMPILATION OF ARTICLES FROM SEVEN YEARS OF THE SCIENCE TEACHER)

NATIONAL SCIENCE TEACHERS ASSOCIATION

67 218
*BIOLOGY, *SECONDARY SCHOOL SCIENCE, *TEACHER RESOURCE MATERIALS, CURRICULUM DEVELOPMENT, SCIENCE ACTIVITIES, TEACHER DEMONSTRATIONS, NATIONAL SCIENCE TEACHERS ASSOCIATION, THE SCIENCE TEACHER

11. SE 003 062 09 25 68 18 12 30 1 00 000 001
WELCH, WALTER
SEDENTARY BOTTOM ANIMALS

AMERICAN BIOLOGY TEACHER

09 00 67 4
*BIOLOGY, *SECONDARY SCHOOL SCIENCE, *SCIENCE DEMONSTRATIONS, *SCIENCE ACTIVITIES, ECOLOGY, FOOD CHAIN, INSTRUCTION, ZOOLOGY

2. Physical Sciences

1. SE 003 910 09 27 68 18 52 15 2 00 000 221
ABRAHAM, NORMAN AND OTHERS
INTERACTION OF MATTER AND ENERGY, THIRD EDITION, PART 1 - 4

RAND MCNALLY AND COMPANY, CHICAGO

67 300
*PHYSICAL SCIENCES, *RESOURCE MATERIALS, *SECONDARY SCHOOL SCIENCE, *SCIENCE COURSE IMPROVEMENT PROJECT, *SCIENCE ACTIVITIES, *TEACHING GUIDES, SCIENCE EQUIPMENT, SCIENCE MATERIALS, SCIENCE EXPERIMENTS, INTERACTION OF MATTER AND ENERGY

2. SE 002 121 07 12 68 18 32 37 2 00 000 350
AMERICAN INSTITUTE OF PHYSICS
PHYSICS IN YOUR HIGH SCHOOL

MCGRAW-HILL BOOK COMPANY

60 136
*INSTRUCTION, *SCIENCE FACILITIES, *SCIENCE EQUIPMENT, ANNOTATED BIBLIOGRAPHY, COURSE DESCRIPTIONS, FILMS, INSTRUCTION, PHYSICS, PHYSICS TEACHERS, SECONDARY SCHOOL SCIENCE, SCIENCE ACTIVITIES, TEACHER EDUCATION, AMERICAN INSTITUTE OF PHYSICS

3. SE 003 177 03 04 68 18 32 30 1 00 000 413
BENTZ, ARTHUR W.
ELECTRICITY AND ELECTRONICS PROBLEMS SOLVED WITH SCIENCE AND MATH IN THE SHOP

SCHOOL SHOP

06 00 60 1
*ELECTRICITY, *ELECTRICAL RESISTANCE, *INDUSTRIAL ARTS, *PHYSICS, *MATHEMATICS, *SECONDARY SCHOOL SCIENCE, SCIENCE PROJECTS

4. SE 002 500 09 27 67 18 43 03 3 00 000 368
BERG, J. ROBERT AND OTHERS
ANNOTATED BIBLIOGRAPHY OF GEOLOGICAL EDUCATION

AMERICAN GEOLOGICAL INSTITUTE

63 26
*ANNOTATED BIBLIOGRAPHIES, *COLLEGE SCIENCE, *CURRICULUM, *EARTH SCIENCE, *GEOLOGY, *SCIENCE EDUCATION, GRADUATE STUDY, UNDERGRADUATE STUDY, AMERICAN GEOLOGICAL INSTITUTE, GEO-STUDY PROGRAM, NATIONAL SCIENCE FOUNDATION, NATIONAL ASSOCIATION OF GEOLOGY TEACHERS

5. SE 002 143 02 07 68 18 22 30 1 00 000 003
CARMODY, WALTER R. AND WIERSMA, JACK
A STUDY OF SILVER TREE EXPERIMENTS

JOURNAL OF CHEMICAL EDUCATION

07 00 67 2
*CHEMISTRY, *LABORATORY EXPERIMENTS, *SECONDARY SCHOOL SCIENCE, *SOLUTIONS, *SCIENCE EXPERIMENTS, COLLEGE SCIENCE, SCIENCE ACTIVITIES, SILVER TREE EXPERIMENTS, CHEMICAL EDUCATION MATERIALS STUDY

6. SE 002 325 08 24 67 18 42 38 1 00 000 007
CARTER, MEREDITH L.
A UNIT ON TOPOGRAPHIC MAPS

THE SCIENCE TEACHER

12 00 65 2
*EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE, *TOPOGRAPHIC MAPS, *UNITS OF INSTRUCTION, AUDIOVISUAL AIDS, MAPS

7. SE 002 965 03 06 68 18 32 38 1 00 000 009
CLARK, CLIFTON BOB
THE REFERENCE CIRCLE IN INTRODUCTORY PHYSICS

THE PHYSICS TEACHER

09 00 67 5
*MECHANICS, *PHYSICS, *SECONDARY SCHOOL SCIENCE, *UNIFORM CIRCULAR MOTION, COURSE CONTENT, KINEMATICS

8. SE 002 709 07 08 68 18 22 20 1 00 000 003
EHRENKRANZ, T. E.
A CHEMICAL LABORATORY SAFETY SYMPOSIUM FOR HIGH SCHOOL STUDENTS

JOURNAL OF CHEMICAL EDUCATION

06 00 66 4
*CHEMISTRY, *LABORATORY SAFETY, *SECONDARY SCHOOL SCIENCE, *SYMPOSIA, *SAFETY EDUCATION

9. SE 003 237 03 07 68 18 22 30 1 00 000 004
GOLDBERG, HARRIS P. AND JENSEN, HARBO P.
A "NEW" LOOK AT AN "OLD" REACTION

SCHOOL SCIENCE AND MATHEMATICS

10 00 67 20
*CHEMISTRY, *MATHEMATICS, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, *SCIENCE DEMONSTRATIONS, REACTION RATES, IODINE CLOCK REACTION

10. SE 003 050 02 27 68 18 52 15 2 05 000 155
LOS ANGELES CITY SCHOOLS
INSTRUCTIONAL GUIDE FOR ELECTRICITY - JUNIOR HIGH SCHOOL INDUSTRIAL ARTS

LOS ANGELES CITY SCHOOLS, CALIFORNIA

67 78
*APPLIED SCIENCE, *ELECTRICITY, *INDUSTRIAL ARTS, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, *SCIENCE ACTIVITIES, SAFETY, TEACHING TECHNIQUES, LOS ANGELES CITY SCHOOLS

11. SE 002 955 09 24 68 18 52 15 2 05 000 155
LOS ANGELES CITY SCHOOLS
MODERN SCIENCE FOR SENIOR HIGH SCHOOLS

LOS ANGELES CITY SCHOOLS, CALIFORNIA

63 190
*SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, AUDIOVISUAL AIDS, COURSE CONTENT, CHEMISTRY, ELECTRICITY, EDUCATIONAL OBJECTIVES, FILMS, FILMSTRIPS, HEAT, ELECTRONICS, LIGHT, MECHANICS, NUCLEAR ENERGY, PHYSICAL SCIENCE, PHYSICS, SOUND, SCIENCE ACTIVITIES, TEACHING TECHNIQUES, LOS ANGELES, CALIFORNIA

12. SE 003 915 09 30 68 18 35 15 2 00 000 457
NIGHTINGALE, E.
SCIENCE MASTERS' BOOK, SERIES 4, PART 1, PHYSICS

JOHN MURRAY, PUBLISHER - SCIENCE MASTERS' ASSOCIATION

61 281
*PHYSICS, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, *TEACHER GUIDES, ASTRONOMY, ELECTRICITY, ELEMENTARY SCHOOL SCIENCE, HEAT, LIGHT, MAGNETISM, MECHANICS, ENGLAND, SCHOOL SCIENCE REVIEW

13. SE 002 528 08 08 68 10 32 15 2 00 000 211
PHYSICAL SCIENCE STUDY COMMITTEE
PHYSICS - TEACHER'S RESOURCE BOOK AND GUIDE, PART I

D. C. HEATH AND COMPANY

65 170
*INSTRUCTION, *MATHEMATICAL APPLICATIONS, *PHYSICS, *PROBLEM
SOLVING, *SECONDARY SCHOOL SCIENCE, *SCIENCE EXPERIMENTS,
*TEACHING TECHNIQUES, SCIENCE ACTIVITIES, *TEACHING GUIDES,
PHYSICAL SCIENCE STUDY COMMITTEE

14. SE 002 527 08 08 68 10 32 15 2 00 000 211
PHYSICAL SCIENCE STUDY COMMITTEE
PHYSICS - TEACHER'S RESOURCE BOOK AND GUIDE, PART II

D. C. HEATH AND COMPANY

65 175
*INSTRUCTION, *MATHEMATICAL APPLICATIONS, *PHYSICS, *PROBLEM
SOLVING, *SECONDARY SCHOOL SCIENCE, *SCIENCE EXPERIMENTS,
*TEACHING TECHNIQUES, *TEACHING GUIDES, SCIENCE ACTIVITIES,
PHYSICAL SCIENCE STUDY COMMITTEE

15. SE 002 526 08 08 68 10 32 15 2 00 000 211
PHYSICAL SCIENCE STUDY COMMITTEE
PHYSICS - TEACHER'S RESOURCE BOOK AND GUIDE, PART III

D. C. HEATH AND COMPANY

66 175
*INSTRUCTION, *MATHEMATICAL APPLICATIONS, *PHYSICS, *PROBLEM
SOLVING, *SECONDARY SCHOOL SCIENCE, *SCIENCE EXPERIMENTS,
*TEACHING GUIDES, SCIENCE ACTIVITIES, TEACHING TECHNIQUES,
PHYSICAL SCIENCE STUDY COMMITTEE

16. SE 002 525 08 08 68 10 32 15 2 00 000 211
PHYSICAL SCIENCE STUDY COMMITTEE
PHYSICS - TEACHER'S RESOURCE BOOK AND GUIDE, PART IV

D. D. HEATH BOOK COMPANY

66 175
*INSTRUCTION, *MATHEMATICAL APPLICATIONS, *PHYSICS, *PROBLEM
SOLVING, *SECONDARY SCHOOL SCIENCE, *SCIENCE EXPERIMENTS, *TEACHING
GUIDES, SCIENCE ACTIVITIES, PHYSICAL SCIENCE STUDY
COMMITTEE

17. SE 002 554 08 08 68 10 32 15 2 00 000 211
PHYSICAL SCIENCE STUDY COMMITTEE
PHYSICS ADVANCED TOPICS SUPPLEMENT, TEACHER'S GUIDE

D. C. HEATH AND COMPANY

66 80
*ADVANCED PROGRAMS, *INSTRUCTION, *MATHEMATICAL APPLICATIONS, *PHYSICS, *PROBLEM SOLVING, *SECONDARY SCHOOL SCIENCE, *SCIENCE EXPERIMENTS, *TEACHING TECHNIQUES, *TEACHING GUIDES, SCIENCE ACTIVITIES, PHYSICAL SCIENCE STUDY COMMITTEE

18. SE 002 967 03 06 68 18 32 30 1 00 000 009
POOLE, WILLIAM F., JR.
THREE DEMONSTRATIONS OF PROJECTILE MOTION

THE PHYSICS TEACHER

09 00 67 2
*MECHANICS, *PHYSICS, *PROJECTILE MOTION, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, FORCES, GRAPHS, MOTION, SCIENCE EQUIPMENT, SCIENCE DEMONSTRATIONS

19. SE 001 352 09 23 68 18 42 38 3 51 000 239
PORTER, T. R.
EARTH SPACE SCIENCE TEACHING TIPS FROM TST (A COMPILATION OF ARTICLES FROM SEVEN YEARS OF THE SCIENCE TEACHER)

NATIONAL SCIENCE TEACHERS ASSOCIATION

67 121
*EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE, ASTRONOMY AUDIOVISUAL AIDS, GEOLOGY, OCEANOLOGY, SCIENCE FACILITIES, SCIENCE ACTIVITIES, NATIONAL SCIENCE TEACHERS ASSOCIATION

20. SE 002 091 10 10 67 18 52 38 1 00 000 009
PRYOR, MARVIN J.
PHASES, MODELS AND CARTOONS

THE PHYSICS TEACHER

09 00 65 1
*ASTRONOMY, *MODELS (DEMONSTRATION), *SECONDARY SCHOOL SCIENCE, PHYSICAL SCIENCES, SCIENCE ACTIVITIES, SCIENCE EQUIPMENT, TEACHER DEMONSTRATIONS

21. SE 003 827 04 19 68 18 95 38 1 00 000 007
TIMPANO, DORIS M.
AEROSPACE - TOPIC FOR TEAM TEACHING

THE SCIENCE TEACHER

12 00 67 4
*INSTRUCTION, *SECONDARY SCHOOL SCIENCE, *TEAM TEACHING, SPACE SCIENCE

3. Mathematics

1. SE 003 792 09 06 68 18 09 15 2 09 000 200
FLORIDA STATE DEPARTMENT OF EDUCATION
A GUIDE TO MATHEMATICS IN FLORIDA SECONDARY SCHOOLS

FLORIDA STATE DEPARTMENT OF EDUCATION

64 129
*CURRICULUM, *CURRICULUM GUIDES, *EDUCATIONAL OBJECTIVES,
*MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, *TEACHING GUIDES,
ALGEBRA, ADVANCED MATHEMATICS, GEOMETRY, STATE MATHEMATICS
CURRICULUM GUIDE COMMITTEE, FLORIDA

2. SE 003 783 09 26 68 18 09 03 3 13 000 200
ILLINOIS STATE DEPARTMENT OF EDUCATION
BIBLIOGRAPHIES - HIGH SCHOOL MATHEMATICS

EDRS, NATIONAL CASH REGISTER COMPANY

09 00 66 40
*ANNOTATED BIBLIOGRAPHIES, *BIBLIOGRAPHIES, *MATHEMATICS,
*REFERENCE BOOKS, *SECONDARY SCHOOL MATHEMATICS, ALGEBRA,
CALCULUS, GEOMETRY, PUBLICATIONS, TEXTBOOKS, TRIGONOMETRY

3. SE 003 895 09 27 68 18 09 15 2 29 000 200
NEW HAMPSHIRE STATE DEPARTMENT OF EDUCATION
NEW HAMPSHIRE MATHEMATICS BULLETIN MATHEMATICS I
AND MATHEMATICS II

NEW HAMPSHIRE STATE DEPARTMENT OF EDUCATION

66 31
*ALGEBRA, *COURSE OBJECTIVES, *GEOMETRY, *LOW ACHIEVERS,
*STATE CURRICULUM GUIDES, ANNOTATED BIBLIOGRAPHIES,
BIBLIOGRAPHIES, COURSE ORGANIZATION, CURRICULUM GUIDES,
GRADE 9, MATHEMATICS, SECONDARY SCHOOL MATHEMATICS, TEAM
TEACHING, TEACHING GUIDES, STATE DEPARTMENT OF EDUCATION,
CONCORD, NEW HAMPSHIRE

4. SE 003 904 09 27 68 18 09 03 3 32 000 200
NEW YORK STATE DEPARTMENT OF EDUCATION
BIBLIOGRAPHIC GUIDE FOR ADVANCED PLACEMENT MATHEMATICS

EDRS, NATIONAL CASH REGISTER COMPANY

63 16
*ADVANCED PLACEMENT, *BIBLIOGRAPHIES, *INSTRUCTIONAL MATERIALS,
*MATHEMATICS, *REFERENCE MATERIALS, AUDIOVISUAL
AIDS, SECONDARY SCHOOL MATHEMATICS, NEW YORK STATE
EDUCATION DEPARTMENT

5. SE 003 801 06 06 68 18 09 15 3 32 000 200
NEW YORK STATE DEPARTMENT OF EDUCATION
AN EXPERIMENTAL COURSE IN MATHEMATICS FOR THE NINTH YEAR - UNITS 1, 2, 3, AND 4

EDRS, NATIONAL CASH REGISTER COMPANY

65 123
*ALGEBRA, *CURRICULUM GUIDES, *CURRICULUM, *MATHEMATICS, *SET THEORY, *SECONDARY SCHOOL MATHEMATICS, *TEACHING METHODS, *TEACHING GUIDES, GRADE 9, NEW YORK

4. Unclassified

1. SE 003 806 04 08 68 18 86 30 2 56 000 321
ASSOCIATION FOR SCIENCE EDUCATION
SCIENCE TEACHING TECHNIQUES - 12

ASSOCIATION FOR SCIENCE EDUCATION, CAMBRIDGE, ENGLAND

67 80
*GENERAL SCIENCE, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, BIOLOGY, CHROMATOGRAPHY, CHEMISTRY, GEOGRAPHY, GENERAL EDUCATION, INTEGRATED COURSES, PHYSICAL SCIENCES, SCIENCE EXPERIMENTS, SCIENCE DEMONSTRATIONS, ASSOCIATION FOR SCIENCE EDUCATION, ENGLAND

2. SE 003 909 09 27 68 18 92 30 3 00 000 468
SAWYER, ROGER WILLIAM AND FARMER, ROBERT A.
NEW IDEAS FOR SCIENCE FAIR PROJECTS

ARCO PUBLISHING COMPANY, NEW YORK

67 155
*SCIENCE PROJECTS, *SCIENCE ACTIVITIES, *SCIENCE FAIRS, *SECONDARY SCHOOL SCIENCE, *SCIENCE MATERIALS, BIOLOGY, CHEMISTRY, MATHEMATICS, PHYSICS, RESOURCE MATERIALS

3. SE 002 322 02 08 68 18 95 39 1 00 000 007
SHOWALTER, VICTOR
STUDENT INVESTIGATIONS

THE SCIENCE TEACHER

01 00 67 2
*BIOLOGY, *CHEMISTRY, *STUDENT INVESTIGATIONS, *SECONDARY SCHOOL SCIENCE, *STUDENT RESEARCH, AWARDS, STUDENT PROJECTS, FORD - FSA AWARDS PROGRAM, NATIONAL SCIENCE TEACHERS ASSOCIATION

C. COLLEGE EDUCATION

1. Physical Sciences

1. SE 002 194 11 06 67 18 23 03 3 00 000 362
ADVISORY COUNCIL ON COLLEGE CHEMISTRY
GUIDELINES AND SUGGESTED TITLE LIST FOR UNDERGRADUATE CHEMISTRY LIBRARIES

ADVISORY COUNCIL ON COLLEGE CHEMISTRY, STANFORD UNIVERSITY, CALIFORNIA

04 00 66 44
*BOOKLISTS, *COLLEGE SCIENCE, *CHEMISTRY, *TEXTBOOKS, ADVISORY COUNCIL ON COLLEGE CHEMISTRY (ACCC)

2. SE 002 983 03 08 68 18 23 32 1 00 000 362
ADVISORY COUNCIL ON COLLEGE CHEMISTRY
NEWSLETTER

ADVISORY COUNCIL ON COLLEGE CHEMISTRY

08 00 64 4
*COLLEGE SCIENCE, *CHEMISTRY, *NEWSLETTERS, CURRICULUM, GRADUATE STUDY, INSTRUCTION, SCIENCE COURSES, ADVISORY COUNCIL ON COLLEGE CHEMISTRY

3. SE 002 653 02 21 68 06 33 30 1 00 000 002
AHEARNER, JOHN F.
INTRODUCTORY PHYSICS EXPERIMENTS USING A DIGITAL COMPUTER

AMERICAN JOURNAL OF PHYSICS

04 00 66 4
*COLLEGE SCIENCE, *DIGITAL COMPUTERS, *PHYSICS, *SCIENCE EQUIPMENT, *SCIENCE ACTIVITIES, *STUDENT EXPERIMENTS, COMPUTERS, UNITED STATES AIR FORCE ACADEMY, BURROUGHS B-5500 COMPUTER

4. SE 002 542 09 24 68 18 33 30 1 00 000 002
ALLEN, P. J.
A RADIATION TORQUE EXPERIMENT

AMERICAN JOURNAL OF PHYSICS

12 00 66 8
*COLLEGE SCIENCE, *LABORATORY ACTIVITIES, *SCIENCE EQUIPMENT, *SCIENCE ACTIVITIES, ENERGY, INSTRUCTION, RADIATION, SCIENCE EXPERIMENTS, WAVES

5. SE 002 876 04 18 68 18 33 03 2 00 000 002
ANDERSON, DAVID L.
RESOURCE LETTER ECAN-1 ON THE ELECTRONIC CHARGE AND AVOGADRO'S NUMBER

AMERICAN JOURNAL OF PHYSICS

01 00 66 7
*BIBLIOGRAPHIES, *COLLEGE SCIENCE, *CATHODE RAYS, *ELECTRONS, *FILMS, *PHYSICS, ATOMIC STRUCTURE, NUCLEAR SCIENCE, SCIENCE EQUIPMENT, SCIENCE ACTIVITIES, NATIONAL SCIENCE FOUNDATION, AVOGADRO'S NUMBER, RESOURCE LETTER

6. SE 003 500 03 20 68 18 93 20 1 00 000 002
ATOJI, MASAO
GRAPHICAL REPRESENTATIONS OF MAGNETIC SPACE GROUPS

AMERICAN JOURNAL OF PHYSICS

03 00 65 8
*COLLEGE SCIENCE, *CHEMISTRY, *MODERN PHYSICS, *PHYSICS, *PHYSICAL CHEMISTRY, *SOLID STATE PHYSICS, *THEORETICAL PHYSICS, ATOMIC STRUCTURE, ATOMIC ENERGY COMMISSION

7. SE 002 768 03 19 68 18 23 30 1 00 000 003
AULT, ADDISON AND KRAIG, RAYMOND
1 BROMO-3 CHLORO-5 LODOBENZENE

JOURNAL OF CHEMICAL EDUCATION

04 00 66 2
*COLLEGE SCIENCE, *CHEMISTRY, *ORGANIC SYNTHESIS, *SCIENCE ACTIVITIES, BENZENE, LABORATORY ACTIVITIES, ORGANIC CHEMISTRY, STUDENT EXPERIMENTS, 1 BROMO-3 CHLORO-5 LODOBENZENE

8. SE 002 883 04 18 68 18 93 03 2 00 000 002
BAKER, D. JAMES
RESOURCE LETTER PB-1 ON PHYSICS AND BIOLOGY

AMERICAN JOURNAL OF PHYSICS

02 00 66 11
*ANNOTATED BIBLIOGRAPHIES, *BIBLIOGRAPHIES, *BIOLOGY, *COLLEGE SCIENCE, *PHYSICS, AUDIOVISUAL AIDS, BIOPHYSICS, CELL THEORY, HEARING, INSTRUCTIONAL MATERIALS, PAPERS, REFERENCE MATERIALS, TEXTBOOKS, VISION, NATIONAL SCIENCE FOUNDATION, RESOURCE LETTER

9. SE 003 230 09 25 68 18 33 30 1 00 000 002
BANTA, H. E. AND NOAKES, JOHN E.
MASS OF THE NEUTRON - A STUDENT EXERCISE

AMERICAN JOURNAL OF PHYSICS

08 00 67 1
*COLLEGE SCIENCE, *MODERN PHYSICS, *MEASUREMENT (PHYSICAL),
*NUCLEAR PHYSICS, *PHYSICAL SCIENCES, *PHYSICS, *SCIENCE
EQUIPMENT, *SCIENCE EXPERIMENTS, *UNDERGRADUATE STUDY, MASS,
NEUTRONS, UNITED STATES ATOMIC ENERGY COMMISSION

10. SE 003 012 02 27 68 18 33 20 1 00 000 002
BARR, E. SCOTT
ANNIVERSARIES IN 1967 OF INTEREST TO PHYSICISTS

AMERICAN JOURNAL OF PHYSICS

04 00 67 12
*BIOGRAPHIES, *COLLEGE SCIENCE, *PAPERS, *PHYSICS, *SCIENCE HISTORY

11. SE 002 574 09 24 68 18 23 30 1 00 000 003
BARTLETT, J. KENNETH
ANALYSIS FOR NITRITE BY EVOLUTION OF NITROGEN

JOURNAL OF CHEMICAL EDUCATION

08 00 67 2
*CHEMISTRY, *COLLEGE SCIENCE, *LABORATORY TECHNIQUES,
*LABORATORY PROCEDURES, *SCIENCE EXPERIMENTS, *SCIENCE
ACTIVITIES, CHEMICAL ANALYSIS, NITROGEN

12. SE 002 745 03 19 68 18 23 30 1 00 000 003
BARTON, DONALD AND WINTER, KEITH
LIGAND EXCHANGE KINETICS BY THE RADIOACTIVE TRACER TECHNIQUES

JOURNAL OF CHEMICAL EDUCATION

02 00 66 2
*COLLEGE SCIENCE, *CHEMISTRY, *RADIOCHEMISTRY, *SCIENCE ACTIVITIES,
*TRACER TECHNIQUES, INORGANIC CHEMISTRY, LABORATORY TECHNIQUES,
LABORATORY ACTIVITIES

13. SE 002 662 03 15 68 18 33 38 1 00 000 002
BAYMAN, B. F.
ISOBARIC SPIN WITHOUT CHARGE SPACE

AMERICAN JOURNAL OF PHYSICS

03 00 66 7
*COLLEGE SCIENCE, *INSTRUCTION, *ISOBARIC SPIN, *NUCLEAR PHYSICS, *PHYSICS, *MODERN PHYSICS, UNITED STATES ATOMIC ENERGY COMMISSION

14. SE 002 590 10 10 67 18 33 03 1 00 000 002
BEKEFI, G. AND BROWN, SANBORN C.
RESOURCE LETTER PP-2 ON PLASMA PHYSICS - WAVES AND RADIATION PROCESSES IN PLASMAS

AMERICAN JOURNAL OF PHYSICS

11 00 66 5
*BIBLIOGRAPHIES, *COLLEGE SCIENCE, *PHYSICS, *MODERN PHYSICS, *PLASMA PHYSICS, RADIATION PROCESSES, WAVES (PHYSICS), RESOURCE LETTER (AMERICAN JOURNAL OF PHYSICS)

15. SE 002 064 02 06 68 18 23 30 1 00 000 003
BELL, JERRY A. AND SNIDER, WILLIAM H.
THE ACETONE-CHLOROFORM SYSTEM - AN NMR STUDY

JOURNAL OF CHEMICAL EDUCATION

04 00 67 4
*COLLEGE SCIENCE, *CHEMISTRY, *INSTRUMENTAL ANALYSIS, *SCIENCE ACTIVITIES, CHEMICAL BONDING, HYDROGEN BONDING, SPECTROSCOPY

16. SE 003 835 03 05 68 18 33 30 1 00 000 002
BENUMOF, REUBEN
OPTICAL PUMPING THEORY AND EXPERIMENTS

AMERICAN JOURNAL OF PHYSICS

02 00 65 10
*COLLEGE SCIENCE, *OPTICAL PUMPING, *PAPER, *PHYSICS, *QUANTUM MECHANICS, SCIENCE EXPERIMENTS, SCIENCE ACTIVITIES

17. SE 002 712 03 19 68 18 23 20 2 00 000 003
BERRY, R. STEPHEN
ATOMIC ORBITALS

JOURNAL OF CHEMICAL EDUCATION

06 00 66 16
*ATOMIC THEORY, *COLLEGE SCIENCE, *CHEMISTRY, ATOMIC ORBITALS, ATOMIC STRUCTURE, BIBLIOGRAPHIES, HYBRID ORBITALS, ORBITAL THEORY, QUANTUM THEORY, WAVES, WAVE THEORY, WAVE FUNCTIONS, RESOURCE PAPERS-V, AC3, NATIONAL SCIENCE FOUNDATION, BOHR-SOMMERFELD THEORY, PAULE EXCLUSION PRINCIPLE

18. SE 002 557 02 14 68 18 23 20 2 00 000 002
BLEWETT, JOHN P.
RESOURCE LETTER PA-1 ON ARTICLE ACCELERATORS

AMERICAN JOURNAL OF PHYSICS

09 00 66 11
*COLLEGE SCIENCE, *CHEMISTRY, CRYSTALLINE STRUCTURE, CHEMICAL BONDS, ENERGETICS, *ISOELECTRONIC SYSTEMS, *MOLECULAR STRUCTURE, NOBLE GAS COMPOUNDS, *ORGANIC CHEMISTRY, *PAPERS, *STRUCTURAL CHEMISTRY, ADVISORY COUNCIL ON COLLEGE CHEMISTRY, RESOURCE PAPER

19. SE 002 890 02 26 68 18 33 30 1 00 000 002
BLOCK, B. AND OTHERS
DO-IT-YOURSELF KNUDSEN GAUGE

AMERICAN JOURNAL OF PHYSICS

02 00 66 3
*COLLEGE SCIENCE, *PHYSICS, *SCIENCE ACTIVITIES, GAUGES, MECHANICS, SCIENCE EXPERIMENTS, SCIENCE EQUIPMENT, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, KNUDSEN GAUGE, HOOKE'S LAW

20. SE 002 661 03 15 68 18 33 21 1 00 000 002
BORK, ALFRED M.
VECTORS VERSUS QUATERNIONS - THE LETTERS IN NATURE

AMERICAN JOURNAL OF PHYSICS

03 00 66 11
*COLLEGE SCIENCE, *PHYSICS, *QUATERNIONS, *SCIENCE HISTORY, VECTOR ANALYSIS, ELECTROMAGNETIC THEORY, VECTORS, NATIONAL SCIENCE FOUNDATION, HAMILTON, TAIT, GIBBS, HEAVISIDE

21. SE 003 090 04 05 68 18 33 03 2 00 000 002
BORK, ALFRED M. AND ARONS, ARNOLD B.
RESOURCE LETTER COL R-1 ON COLLATERAL READING FOR PHYSICS COURSES

AMERICAN JOURNAL OF PHYSICS

02 00 67 9
*BIBLIOGRAPHIES, *COLLEGE SCIENCE, *COLLATERAL READING, *SCIENCE HISTORY, *PHYSICS, *PHILOSOPHY, *SCIENTIFIC ENTERPRISE, ART, REFERENCE MATERIALS

22. SE 002 625 03 06 68 18 33 30 1 00 000 002
BOSCH, J. J. TEN AND DEVOIGHT, M. J. A.
INTERFEROMETRIC STUDY OF THE MODES OF A VISIBLE-GAS LASER WITH A MICHELSON INTERFEROMETER

AMERICAN JOURNAL OF PHYSICS

06 00 66 4
*COLLEGE SCIENCE, *GAS LASER, *PHYSICS, *SCIENCE ACTIVITIES, INSTRUMENTATION, SCIENCE EXPERIMENTS, MICHELSON INTERFEROMETER

23. SE 002 066 09 06 67 18 23 38 2 00 000 003
BRAUNSTEIN, JERRY
ELECTROMOTIVE FORCE OF MOLTEN SALT CONCENTRATION CELLS AND ASSOCIATION EQUILIBRIA IN SOLUTION

JOURNAL OF CHEMICAL EDUCATION

04 00 67 5
*COLLEGE SCIENCE, *CHEMISTRY, *ELECTROCHEMISTRY, *SCIENCE ACTIVITIES, TEACHER RESOURCE MATERIALS

24. SE 003 026 04 30 68 18 33 03 1 00 000 002
BROWN, THEODORE M.
RESOURCE LETTER EEC-1 ON THE EVOLUTION OF ENERGY CONCEPTS FROM GALILEO TO HELMHOLTZ

AMERICAN JOURNAL OF PHYSICS

10 00 65 7
*BIBLIOGRAPHIES, *ENERGY, *SCIENCE HISTORY, *PHYSICS, *SCIENTIFIC CONCEPTS, ANNOTATED BIBLIOGRAPHIES, RESOURCE LETTER, NATIONAL SCIENCE FOUNDATION

25. SE 002 142 08 23 67 18 23 30 1 00 000 003
CARMODY, WALTER R.
THE DETERMINATION OF THE COMBINING WEIGHT OF TIN

JOURNAL OF CHEMICAL EDUCATION

07 00 67 1
*COLLEGE SCIENCE, *CHEMISTRY, *CHEMICAL ANALYSIS, *SCIENCE
ACTIVITIES, *TEACHER RESOURCE MATERIALS, *TIN

26. SE 002 657 03 15 68 18 33 30 1 00 000 002
CARVER, THOMAS R. AND PARTRIDGE, ROBERT B.
MONITORING OPERATORS IN MAGNETIC RESONANCE AND LIGHT MODULATION

AMERICAN JOURNAL OF PHYSICS

04 00 66 12
*COLLEGE SCIENCE, *MAGNETIC RESONANCE, *PHYSICS, *MODERN PHYSICS,
*RESEARCH, *SCIENCE ACTIVITIES, LIGHT MODULATION, LIGHT

27. SE 002 573 08 07 68 18 95 30 1 00 000 003
CHACO, M. C.
MICROBOILING POINT DETERMINATION AT ATMOSPHERIC PRESSURE

JOURNAL OF CHEMICAL EDUCATION

08 00 67 1
*CHEMISTRY, *COLLEGE SCIENCE, *LABORATORY TECHNIQUES, *PHYSICS,
*SCIENCE EXPERIMENTS, *SCIENCE EQUIPMENT, BOILING POINT
DETERMINATION, SCIENCE ACTIVITIES

28. SE 002 733 02 22 68 18 23 30 1 00 000 003
CHILD, W. C., JR. AND RAMETTE, R. W.
THE STOICHIOMETRY OF AN OXIDATION-REDUCTION REACTION

JOURNAL OF CHEMICAL EDUCATION

02 00 67 2
*COLLEGE SCIENCE, *CHEMISTRY, *OXIDATION REDUCTION, *SCIENCE
ACTIVITIES, LABORATORY ACTIVITIES, STOICHIOMETRY

29. SE 003 018 04 05 68 18 33 30 1 00 000 002
CHOW, R. H. AND HEROLD, J. S.
COMPTON-SCATTERING EXPERIMENT USING LOW-ACTIVITY GAMMA-RAY
SOURCES

AMERICAN JOURNAL OF PHYSICS

12 00 65 6
*COLLEGE SCIENCE, *MODERN PHYSICS, *NUCLEAR PHYSICS, *PHYSICS,
*RADIOACTIVITY, *SCIENCE ACTIVITIES, *SCIENCE EXPERIMENTS,
SCIENCE EQUIPMENT, UNDERGRADUATE STUDY

30. SE 002 760 03 19 68 18 23 20 1 00 000 003
COHEN, IRWIN AND BUSTARD, THOMAS
ATOMIC ORBITALS - LIMITATIONS AND VARIATIONS

JOURNAL OF CHEMICAL EDUCATION

04 00 66 7
*ATOMIC THEORY, *ATOMIC ORBITALS, *COLLEGE SCIENCE, *CHEMISTRY, *ORBITALS, INSTRUCTION, PAPERS, AMERICAN CHEMICAL SOCIETY, 1965

31. SE 002 627 03 21 68 18 33 20 2 00 000 002
COLLINS, R. E.
STRUCTURE OF PHYSICAL THEORY

AMERICAN JOURNAL OF PHYSICS

06 00 66 7
*COLLEGE SCIENCE, *PHYSICS, CASUALTY, MECHANICS, QUANTUM MECHANICS, SCIENTIFIC CONCEPTS, THEORIES, THERMODYNAMICS

32. SE 003 322 03 04 68 18 33 32 1 22 000 298
COMMISSION ON COLLEGE PHYSICS
COMMISSION ON COLLEGE PHYSICS NEWSLETTER

COMMISSION ON COLLEGE PHYSICS

11 00 62 10
*COLLEGE SCIENCE, *NEWSLETTER, *PHYSICS, EDUCATIONAL MEDIA, FILMS, FILM LISTS, GENERAL EDUCATION, UNIVERSITY OF COLORADO, PHYSICAL SCIENCE STUDY COMMITTEE, COMMISSION ON COLLEGE PHYSICS

33. SE 003 323 09 25 68 18 33 06 1 00 000 298
COMMISSION ON COLLEGE PHYSICS
COMMISSION ON COLLEGE PHYSICS NEWSLETTER

COMMISSION ON COLLEGE PHYSICS

04 00 64 4
*CONFERENCE REPORTS, *COLLEGE SCIENCE, *CURRICULUM, *NEWSLETTERS, *PHYSICS, *SUMMER INSTITUTES, *TEACHER EDUCATION, *TEACHER CHARACTERISTICS, EDUCATIONAL NEEDS, NATIONAL SCIENCE FOUNDATION, COMMISSION ON COLLEGE PHYSICS

34. SE 003 327 03 21 68 18 33 32 1 22 000 298
COMMISSION ON COLLEGE PHYSICS
COMMISSION ON COLLEGE PHYSICS NEWSLETTER

COMMISSION ON COLLEGE PHYSICS

01 00 66 8
*COLLEGE SCIENCE, *COMPUTER ASSISTED INSTRUCTION, *NEWSLETTERS, *PHYSICS, *TEACHER EDUCATION, BIBLIOGRAPHIES, EDUCATIONAL PROGRAMS, TEACHING TECHNIQUES, COMMISSION ON COLLEGE PHYSICS, ADVISORY COUNCIL ON COLLEGE CHEMISTRY

35. SE 003 308 07 10 68 18 23 20 1 00 000 003
CONWAY, B. E. AND SALOMON, MARK
ELECTROCHEMISTRY - ITS ROLE IN TEACHING PHYSICAL CHEMISTRY

JOURNAL OF CHEMICAL EDUCATION

10 00 67 12
*COLLEGE SCIENCE, *CHEMISTRY, *ELECTROCHEMISTRY, *PHYSICAL
SCIENCES, *PHYSICAL CHEMISTRY, *SCIENCE HISTORY, SCIENTIFIC
CONCEPTS, REFERENCE MATERIALS

36. SE 002 663 03 06 68 18 33 20 1 00 000 002
COON, D. D.
COUNTING PHOTONS IN THE OPTICAL BARRIER PENETRATION EXPERIMENT

AMERICAN JOURNAL OF PHYSICS

03 00 66 5
*COLLEGE SCIENCE, *PHYSICS, *QUANTUM MECHANICS, *SOLID-STATE
PHYSICS, *STUDENT INVESTIGATIONS, *WAVE MECHANICS, OPTICS,
RESEARCH, NATIONAL SCIENCE FOUNDATION

37. SE 003 240 09 25 68 18 33 37 1 42 000 188
CORLISS, WILLIAM R.
NEUTRON ACTIVATION ANALYSIS

U. S. ATOMIC ENERGY COMMISSION, DIVISION OF TECHNICAL INFORMATION

63 28
*NUCLEAR PHYSICS, *RESOURCE MATERIALS, COLLEGE SCIENCE, FILMS,
INSTRUCTIONAL MATERIALS, PHYSICS, SECONDARY SCHOOL SCIENCE

38. SE 002 898 02 26 68 18 33 30 1 00 000 002
DELAFRA, R. L. AND KIRK, W.
MEASUREMENT OF ATOMIC LIFETIMES BY THE HANLE EFFECT

AMERICAN JOURNAL OF PHYSICS

07 00 67 10
*ATOMIC LIFETIMES, *COLLEGE SCIENCE, *MEASUREMENT, *PHYSICS,
*SCIENCE ACTIVITIES, *SCIENCE EXPERIMENTS, MODERN PHYSICS,
NATIONAL SCIENCE FOUNDATION, HANLE EFFECT, NUCLEAR PHYSICS

39. SE 003 573 03 04 68 18 23 30 1 00 000 003
DINGLEDY, DAVID AND BARNARD, WALTER M.
THE STOICHIOMETRY OF SULFIDES - EXPERIMENTS FOR THE INTRODUCTORY LABORATORY

JOURNAL OF CHEMICAL EDUCATION

11 00 67 2
*COLLEGE SCIENCE, *CHEMISTRY, *INORGANIC CHEMISTRY, *SCIENCE ACTIVITIES, *STOICHIOMETRY, *SULFIDES, LABORATORY EXPERIMENTS, STUDENT EXPERIMENTS

40. SE 002 074 08 23 67 18 23 30 1 00 000 003
DUME, T. G.
MAGNETIC MOMENT MEASUREMENT OF A COORDINATION COMPLEX

JOURNAL OF CHEMICAL EDUCATION

03 00 67 2
*COLLEGE SCIENCE, *CHEMISTRY, *MAGNETISM, *SCIENCE ACTIVITIES, MAGNETIC MOMENT, PHYSICS, TEACHER RESOURCE MATERIALS

41. SE 002 084 09 14 67 18 23 38 1 00 000 003
DURST, RICHARD A.
MECHANISM OF THE GLASS ELECTRODE RESPONSE

JOURNAL OF CHEMICAL EDUCATION

03 00 67 1
*COLLEGE SCIENCE, *CHEMISTRY, *GLASS ELECTRODES, *PH, *TEXTBOOK ERRORS, ACIDS, BASES SCIENCE EQUIPMENT

42. SE 002 701 03 15 68 18 23 30 1 00 000 003
ELLIS, DAVID W.
EXCITED-STATE DISSOCIATION - LABORATORY EXERCISE USING FLUORESCENCE

JOURNAL OF CHEMICAL EDUCATION

05 00 66 3
*COLLEGE SCIENCE, *CHEMISTRY, *DISSOCIATION, *EXCITED-STATE DISSOCIATION, *FLOURESCENCE, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, LABORATORY ACTIVITIES, PHOTOCHEMISTRY

43. SE 002 594 02 20 68 18 33 38 1 00 000 002
ELTON, L. R. B. AND JACKSON, DAPHNE F.
X-RAY DIFFRACTION AND THE BRAGG LAW

AMERICAN JOURNAL OF PHYSICS

11 00 66 3
*COLLEGE SCIENCE, *PHYSICS, *MODERN PHYSICS, *X-RAY DIFFRACTION, BRAGG LAW

44. SE 002 628 11 06 67 18 33 38 1 00 000 002
EVETT, ARTHUR A.
PERMUTATION SYMBOL APPROACH TO ELEMENTARY VECTOR ANALYSIS

AMERICAN JOURNAL OF PHYSICS

06 00 66 4
*COLLEGE SCIENCE, *VECTOR ANALYSIS, *PHYSICS, ENGINEERING, PERMUTATION SYMBOL APPROACH

45. SE 002 629 11 06 67 18 33 38 1 00 000 002
FEATHER, N.
ADDITIVITY OF MASS IN NEWTONIAN MECHANICS

AMERICAN JOURNAL OF PHYSICS

06 00 66 5
*COLLEGE SCIENCE, *CLASSICAL PHYSICS, *INSTRUCTIONAL PROCEDURES, *MASS, *MECHANICS, *NEWTONIAN MECHANICS, *PHYSICS

46. SE 002 081 09 06 67 18 23 30 1 00 000 003
FERNANDO, QUINTUS, AND BUTCHER, JOHN
CALCULATIONS OF TITRATION ERROR IN PRECIPITATION TITRATIONS

JOURNAL OF CHEMICAL EDUCATION

03 00 67 2
*COLLEGE SCIENCE, *CHEMISTRY, *CHEMICAL ANALYSIS, *SCIENCE ACTIVITIES, *TITRATION, ERROR ANALYSIS, TEACHER RESOURCE MATERIALS

47. SE 003 878 03 20 68 18 23 30 1 00 000 003
FIESER, LOUIS F.
INNOVATIONS IN WRITING, TEACHING, AND EXPERIMENTATION

JOURNAL OF CHEMICAL EDUCATION

09 00 67 5
*COLLEGE SCIENCE, *CHEMISTRY, *MODELS, *TEACHING TECHNIQUES, INNOVATION, INSTRUCTIONAL MATERIALS, RESEARCH, STUDENT ACTIVITIES

AMERICAN JOURNAL OF PHYSICS

07 00 67 3
*COLLEGE SCIENCE, *OPTICS, *PHYSICS, *SPHERICAL ABERRATION,
*LENSES, THIN LENSES

49. SE 002 668 02 21 68 18 93 38 1 00 000 002
GATLIN, LILA L.
LOGICAL PROOF OF THE ENTROPY PRINCIPLE

AMERICAN JOURNAL OF PHYSICS

03 00 66 2
*COLLEGE SCIENCE, *ENTROPY, *PHYSICS, *THERMODYNAMICS, ENTROPY
PRINCIPLE, SECOND LAW OF THERMODYNAMICS, CHEMISTRY

50. SE 002 649 03 06 68 18 33 38 1 00 000 002
GELMAN, H.
GENERALIZED CONVERSION OF ELECTROMAGNETIC UNITS, MEASURES AND EQUATIONS

AMERICAN JOURNAL OF PHYSICS

04 00 66 5
*COLLEGE SCIENCE, *ELECTROMAGNETIC UNITS, *ELECTROMAGNETIC
THEORY, *MEASUREMENT, *PHYSICS, CONVERSION FACTORS, ELECTROSTATIC
UNITS, UNITED STATES ATOMIC ENERGY COMMISSION

51. SE 002 134 02 07 68 18 23 30 1 00 000 003
GEORGE, STEVEN W. AND CAMPBELL, J. ARTHUR
REFRACTION INDICES OF SOME CARBON COMPOUNDS AS A FUNCTION OF TEMPERATURE

JOURNAL OF CHEMICAL EDUCATION

07 00 67 1
*CHEMISTRY, *COLLEGE SCIENCE, *ORGANIC COMPOUNDS, *REFRACTIVE
INDICES, *SCIENCE ACTIVITIES, *SCIENCE EXPERIMENTS, *TEMPERATURE,
LABORATORY EXPERIMENTS, SECONDARY SCHOOL SCIENCE

52. SE 002 665 03 06 68 18 33 20 1 00 000 002
GIVENS, M. PARKER AND GOFFE, WILLIAM L.
APPLICATION OF THE CORNU SPIRAL TO THE SEMITRANSPARENT HALF PLANE

AMERICAN JOURNAL OF PHYSICS

03 00 66 6
*COLLEGE SCIENCE, *FRESNEL DIFFRACTION, *OPTICS, *PHYSICS, *SCIENCE ACTIVITIES, CORNU SPIRAL

53. SE 002 856 02 23 68 18 33 20 1 00 000 002
GOEDECKE, G. H.
UNDETERMINED MULTIPLIER TREATMENTS OF THE LAGRANGE PROBLEM

AMERICAN JOURNAL OF PHYSICS

07 00 66 4
*COLLEGE SCIENCE, *MATHEMATICS, *PAPER, *PHYSICS, CALCULUS, INSTRUCTIONAL MATERIALS, LAGRANGE PROBLEM

54. SE 002 756 03 19 68 18 93 38 1 00 000 003
GOLDMAN, LEON AND HORNBY, PETER
LASER LABORATORY DESIGN AND PERSONNEL PROTECTION FROM HIGH ENERGY LASERS

JOURNAL OF CHEMICAL EDUCATION

04 00 66 8
*COLLEGE SCIENCE, *CHEMISTRY, *LASERS, *PHYSICS, *SAFETY, AIR POLLUTION, LABORATORY SAFETY, POLLUTION, SKIN PROTECTION, ARCHIVES OF ENVIRONMENTAL HEALTH, UNITED STATES PUBLIC HEALTH SERVICE

55. SE 002 747 03 19 68 18 93 38 1 00 000 003
GOODFRIEND, P. L.
CONCEPTS OF SERIES AND STATE IN CHEMISTRY AND MOLECULAR PHYSICS

JOURNAL OF CHEMICAL EDUCATION

02 00 66 3
*COLLEGE SCIENCE, *CHEMISTRY, *MATTER, *PHYSICS, *SCIENTIFIC CONCEPTS, ATOMIC SPECIES, MOLECULAR SPECIES, MOLECULAR STATES

56. SE 002 139 02 07 68 18 23 30 1 00 000 003
GOVER, THOMAS A.
DIFFUSION OF GASES

JOURNAL OF CHEMICAL EDUCATION

07 00 67 2
*COLLEGE SCIENCE, *CHEMISTRY, *DIFFUSION, *GASES, *LABORATORY EXPERIMENTS, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, SCIENCE EXPERIMENTS

57. SE 003 011 02 27 68 18 33 03 1 00 000 002
GRIFFY, T. A.
RESOURCE LETTER NR-1 ON NUCLEAR REACTIONS

AMERICAN JOURNAL OF PHYSICS

04 00 67 5
*BIBLIOGRAPHIES, *COLLEGE SCIENCE, *NUCLEAR REACTIONS, *PAPERS, *PHYSICS, ATOMIC SCIENCE, NUCLEAR PHYSICS, NATIONAL SCIENCE FOUNDATION, AMERICAN ASSOCIATION OF PHYSICS TEACHERS, RESOURCE LETTERS

58. SE 002 614 02 20 68 18 23 30 1 00 000 003
GUENTHER, WILLIAM B.
STEPWISE FORMATION CONSTANTS OF COMPLEX IONS

JOURNAL OF CHEMICAL EDUCATION

01 00 67 2
*COLLEGE SCIENCE, *CHEMISTRY, *COMPLEX IONS, *SCIENCE ACTIVITIES, LABORATORY ACTIVITIES

59. SE 002 696 02 22 68 10 23 38 1 00 000 003
GUGGENHEIM, E. A.
MOLECULES VERSUS MOLES

JOURNAL OF CHEMICAL EDUCATION

05 00 66 2
*COLLEGE SCIENCE, *CHEMISTRY, *INSTRUCTION, *MOLES, *MOLECULES, *SCIENTIFIC TERMINOLOGY

60. SE 003 880 09 27 68 18 23 30 1 00 000 003
GUILLORY, WILLIAM A.
KINETICS OF THE GAS PHASE DECOMPOSITION OF
DI-TERT-BUTYL PEROXIDE

JOURNAL OF CHEMICAL EDUCATION

09 00 67 2
*COLLEGE SCIENCE, *CHEMISTRY, *GASES, *PHYSICAL CHEMISTRY, *SCIENCE EXPERIMENTS, KINETICS, PHYSICAL SCIENCES, SCIENCE ACTIVITIES, DI-TERT-BUTYL PEROXIDE

61. SE 002 099 09 27 67 18 43 38 1 00 000 197
HADLEY, RICHARD F.
PEDIMENTS AND PEDIMENT-FORMING PROCESSES

JOURNAL OF GEOLOGICAL EDUCATION

04 00 67 4
*EARTH SCIENCE, *GEOLOGICAL FORMATIONS, BIBLIOGRAPHIES, COLLEGE SCIENCE, TEACHER RESOURCE MATERIALS, COUNCIL ON EDUCATION IN THE GEOLOGICAL SCIENCES, AMERICAN GEOLOGICAL INSTITUTE

62. SE 003 873 09 27 68 18 23 30 1 00 000 003
HAIGHT, G. P., JR.
BRINGING UNDERGRADUATES TO THE CHEMICAL FRONTIER

JOURNAL OF CHEMICAL EDUCATION

12 00 67 2
*CHEMISTRY, *EDUCATIONAL OBJECTIVES, *COLLEGE SCIENCE,
*INSTRUCTION, *SCIENCE MATERIALS, *TEACHING PROCEDURES,
DISCOVERY LEARNING, LABORATORY PROCEDURES, LEARNING

63. SE 002 571 09 24 68 18 25 20 1 00 000 003
HAIGHT, G. P., JR.
THE USE OF TABLES OF DATA IN TEACHING - THE STUDENTS DISCOVER
LAWS ABOUT IONIZATION POTENTIALS

JOURNAL OF CHEMICAL EDUCATION

08 00 67 3
*CHEMISTRY, *COLLEGE SCIENCE, *INSTRUCTION, *SCIENTIFIC
METHODOLOGY, DISCOVERY LEARNING, LABORATORY PROCEDURES,
LEARNING, SCIENCE EXPERIMENTS, SCIENCE MATERIALS

64. SE 002 720 03 19 68 18 23 30 1 00 000 003
HANRAHAN, E. S.
XYLENE ANALYSIS

JOURNAL OF CHEMICAL EDUCATION

06 00 66 2
*COLLEGE SCIENCE, *CHEMISTRY, *INSTRUMENTAL ANALYSIS, *SCIENCE
ACTIVITIES, CHROMOTOGRAPHY, GAS CHROMOTOGRAPHY, LABORATORY
ACTIVITIES, ULTRAVIOLET SPECTROSCOPY, XYLENE, AMERICAN CHEMICAL
SOCIETY, 1965

65. SE 002 586 10 10 67 10 33 30 1 00 000 002
HARTMAN, ROGER D.
USE OF COMPUTERS IN AN UNDERGRADUATE LIGHT AND OPTICS LABORATORY

AMERICAN JOURNAL OF PHYSICS

09 00 66 6
*COLLEGE SCIENCE, *COMPUTERS, *INSTRUCTIONAL PROCEDURE, *OPTICS,
*PHYSICS, *SCIENCE ACTIVITIES, COMPUTER PROGRAMS, OPTICS
LABORATORIES, OPTICAL EXPERIMENTS, FORTRAN II

66. SE 002 968 03 06 68 18 35 38 1 00 000 009
HARVALIK, Z. V.
WHAT COLOR DO YOU REALLY SEE?

THE PHYSICS TEACHER

09 00 67 4
*OPTICS, *PHYSICS, *SECONDARY SCHOOL SCIENCE, COLLEGE SCIENCE, COLOR, LIGHT, VISION

67. SE 002 684 02 21 68 18 23 30 1 00 000 003
HAWORTH, DANIEL T.
CHARLES' LAW - A GENERAL CHEMISTRY EXPERIMENT

JOURNAL OF CHEMICAL EDUCATION

06 00 67
*COLLEGE SCIENCE, *CHEMISTRY, *SCIENCE ACTIVITIES, *SCIENCE EXPERIMENTS, PRESSURES, TEMPERATURE, VOLUME, CHARLES' LAW

68. SE 002 072 09 06 67 18 33 38 1 00 000 003
HECHT, CHARLES E.
NEGATIVE ABSOLUTE TEMPERATURES

JOURNAL OF CHEMICAL EDUCATION

03 00 67 3
*COLLEGE SCIENCE, *CHEMISTRY, *PHYSICS, *TEACHER RESOURCE MATERIALS, *STATISTICAL MECHANICS, *THERMODYNAMICS, *TEMPERATURE

69. SE 002 697 02 22 68 18 23 30 1 00 000 003
HENRY, PAUL S.
EVALUATION OF AVOGADRO'S NUMBER - A GENERAL CHEMISTRY EXPERIMENT

JOURNAL OF CHEMICAL EDUCATION

05 00 66 2
*AVOGADRO'S NUMBER, *COLLEGE SCIENCE, *CHEMISTRY, *SCIENCE ACTIVITIES, LABORATORY ACTIVITIES

70. SE 002 708 02 22 68 18 23 30 1 00 000 003
HOLLAHAN, JOHN R.
TOPICS IN . . . . CHEMICAL INSTRUMENTATION - XXVIII. RESEARCH WITH ELECTRODELESSLY DISCHARGED GASES

JOURNAL OF CHEMICAL EDUCATION

06 00 66 9
*COLLEGE SCIENCE, *CHEMISTRY, *INSTRUMENTATION, *RESEARCH, *SCIENCE ACTIVITIES, *GASES, ELECTRODELESSLY DISCHARGED GASES

71. SE 002 764 03 19 68 18 23 30 1 00 000 003
HOLLOWAY, JOHN H.
THE PHOTOCHEMICAL REACTION OF XENON WITH FLUORINE AT ROOM TEMPERATURE

JOURNAL OF CHEMICAL EDUCATION

04 00 66 2
*COLLEGE SCIENCE, *CHEMISTRY, *FLUORINE, *PHOTOCHEMISTRY, *SCIENCE ACTIVITIES, *XENON, *XENON DIFLUORIDE, INORGANIC CHEMISTRY, LECTURE DEMONSTRATIONS, NOBLE GASES, SCIENCE DEMONSTRATION

72. SE 003 894 09 27 68 18 83 03 2 00 000 482
HOLSTEIN, EDWIN J.
LIBERAL EDUCATION AND AMERICAN ENGINEERING - A REPRESENTATIVE BIBLIOGRAPHY

RENSSELAER POLYTECHNIC INSTITUTE

57 38
*ANNOTATED BIBLIOGRAPHIES, *ENGINEERING EDUCATION, *GENERAL EDUCATION, BIBLIOGRAPHIES, COLLEGE SCIENCE, ENGINEERING, INSTITUTE OF HIGHER EDUCATION, TEACHERS COLLEGE, COLUMBIA UNIVERSITY, NEW YORK

73. SE 002 744 03 19 68 18 23 30 1 00 000 003
JENKINS, D. A. AND LATHAM, J. L.
ESTIMATION OF SOME KI AND KSP BY POTENTIOMETRIC TITRATION

JOURNAL OF CHEMICAL EDUCATION

02 00 66 3
*ANALYTICAL CHEMISTRY, *COLLEGE SCIENCE, *CHEMISTRY, *EQUILIBRIUM CONSTANT, *SCIENCE ACTIVITIES, *SOLUBILITY PRODUCT CONSTANT, POTENTIOMETRIC TITRATION, PHYSICAL CHEMISTRY, TITRATION

74. SE 002 569 08 07 68 06 23 38 1 00 000 003
JOHNSON, B. J.
TECHNIQUES FOR INTERNAL DISTILLATION-CONDENSATION

JOURNAL OF CHEMICAL EDUCATION

08 00 67 2
*CHEMISTRY, *COLLEGE SCIENCE, *LABORATORY TECHNIQUES, *LABORATORY PROCEDURES, *SCIENCE EQUIPMENT, DISTILLATION, CONDENSATION, SCIENCE MATERIALS, SCIENCE EXPERIMENTS

75. SE 002 611 02 20 68 18 23 30 1 00 000 003
JOHNSTON, DAVID O.
THE METHANOLYSIS OF ACETAL - A CHEMICAL KINETICS AND GAS CHROMATOGRAPHY EXPERIMENT

JOURNAL OF CHEMICAL EDUCATION

01 00 67 3
*COLLEGE SCIENCE, *CHEMISTRY, *CHROMATOGRAPHY, *CHEMICAL KINETICS, *GAS CHROMATOGRAPHY, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, LABORATORY ACTIVITIES, ACETAL, METHANOLYSIS

76. SE 002 763 03 19 68 18 23 38 1 00 000 003
JOLLY, WILLIAM L.
THE USE OF OXIDATION POTENTIALS IN INORGANIC CHEMISTRY

JOURNAL OF CHEMICAL EDUCATION

04 00 66 4
*COLLEGE SCIENCE, *CHEMISTRY, *INORGANIC CHEMISTRY, *INSTRUCTION, *OXIDATION POTENTIALS, ACIDS, BASES, OXIDATION REDUCTION, PAPERS, REACTION PRODUCTS

77. SE 002 610 02 20 68 18 23 30 1 00 000 003
JONES, J. R.
KINETIC ISOTOPE EFFECTS - AN EXPERIMENT IN PHYSICAL ORGANIC CHEMISTRY

JOURNAL OF CHEMICAL EDUCATION

01 00 67 2
*COLLEGE SCIENCE, *CHEMISTRY, *PHYSICAL ORGANIC CHEMISTRY, *SCIENCE ACTIVITIES, KINETIC ISOTOPE EFFECTS, LABORATORY ACTIVITIES, ORGANIC CHEMISTRY

78. SE 002 900 02 26 68 18 33 20 1 00 000 002
JORDAN, J. A. AND DUVAL, J. S.
NUCLEAR PHYSICS EXPERIMENT FOR THE SENIOR PHYSICS LABORATORY

AMERICAN JOURNAL OF PHYSICS

07 00 67 8
*COLLEGE SCIENCE, *NUCLEAR PHYSICS, *PHYSICS, *SCIENCE ACTIVITIES, SCIENCE EXPERIMENTS, SPECTROSCOPY, UNITED STATES ATOMIC ENERGY COMMISSION

79. SE 002 138 02 07 68 18 23 30 1 00 000 003
KAUFFMAN, GEORGE B. AND HOUGHTEN, RICHARD A.
SYNTHESES AND TITRATIONS OF UNKNOWN ACIDS

JOURNAL OF CHEMICAL EDUCATION

07 00 67 2
*ACIDS, *CHEMISTRY, *COLLEGE SCIENCE, *LABORATORY EXPERIMENTS,
*SCIENCE ACTIVITIES, *SCIENCE EXPERIMENTS, *TITRATION

80. SE 002 135 02 07 68 18 23 30 1 00 000 003
KAYA, JULIE J. AND CAMPBELL, J. ARTHUR
MOLECULAR WEIGHT FROM DUMAS BULB EXPERIMENTS

JOURNAL OF CHEMICAL EDUCATION

07 00 67 2
*COLLEGE SCIENCE, *CHEMISTRY, *LABORATORY EXPERIMENTS,
*MOLECULAR WEIGHTS, *SCIENCE ACTIVITIES, *SCIENCE EXPERIMENTS,
SECONDARY SCHOOL SCIENCE, SCIENCE EQUIPMENT, DUMAS BULBS,
NATIONAL SCIENCE FOUNDATION

81. SE 002 596 02 20 68 18 33 30 1 00 000 002
KING, JOHN G.
ON PHYSICS PROJECT LABORATORIES

AMERICAN JOURNAL OF PHYSICS

11 00 66 5
*COLLEGE SCIENCE, *PHYSICS, *SCIENCE ACTIVITIES, *SCIENCE
LABORATORIES, *SCIENCE PROJECTS, SCIENCE EXPERIMENTS,
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

82. SE 002 693 02 22 68 18 23 38 1 00 000 003
KIVELSON, DANIEL AND OPPENHEIM, IRWIN
WORK IN IRREVERSIBLE EXPANSIONS

JOURNAL OF CHEMICAL EDUCATION

05 00 66 3
*COLLEGE SCIENCE, *CHEMISTRY, *PHYSICAL CHEMISTRY, *SCIENTIFIC
CONCEPTS, *THERMODYNAMICS, ADIABATIC EXPANSIONS, ADIABATIC
COMPRESSIONS, GASES, IRREVERSIBLE PROCESSES, IRREVERSIBLE
EXPANSIONS, WORK

83. SE 002 538 09 24 68 18 33 38 1 00 000 002
KOHLER, ROBERT H.
GRAPHICAL AIDS IN THE TEACHING OF SPECIAL RELATIVITY

AMERICAN JOURNAL OF PHYSICS

12 00 66 6
*COLLEGE SCIENCE, *INSTRUCTIONAL AIDS, *PHYSICS, *RELATIVITY
CURRICULUM, INSTRUCTION, PROBLEM SOLVING, TEACHING
PROCEDURES

84. SE 002 699 03 15 68 18 23 30 1 00 000 003
KOLESKE, JOSEPH V. AND FAUCHER, JOSEPH A.
DEMONSTRATION OF THE GLASS TRANSITION

JOURNAL OF CHEMICAL EDUCATION

05 00 66 3
*COLLEGE SCIENCE, *CHEMISTRY, *MATTER, *PHYSICAL CHEMISTRY,
*SCIENCE ACTIVITIES, AMORPHOUS STATE, CRYSTALLINE STATE, GLASS
TRANSITION, SCIENCE DEMONSTRATIONS

85. SE 002 740 03 19 68 18 23 30 1 00 000 003
KRAHE, EDWARD AND ROCHOW, E. G.
PREPARATION OF ETHYLALUMINUM SESQUI-IODIDE

JOURNAL OF CHEMICAL EDUCATION

02 00 66 1
*COLLEGE SCIENCE, *CHEMISTRY, *ORGANOMETALLIC COMPOUNDS, *SCIENCE
ACTIVITIES, LECTURE-DEMONSTRATION, SCIENCE DEMONSTRATIONS,
ETHYLALUMINUM SESQUI-IODIDE

86. SE 002 581 08 07 68 06 23 38 1 00 000 003
LAL, SUDARSHAN AND SRIVASTAVA, S. N.
DETECTION OF MERCURY (I) AND MERCURY (II) IN THE PRESENCE OF
EACH OTHER

JOURNAL OF CHEMICAL EDUCATION

08 00 67 1
*ANALYTICAL REAGENTS, *COLLEGE SCIENCE, *CHEMISTRY, *LABORATORY
TECHNIQUES, *QUALITATIVE ANALYSIS, *SCIENCE MATERIALS, *SCIENCE
EXPERIMENTS, *SCIENCE ACTIVITIES, ANALYTICAL CHEMISTRY, MERCURY

87. SE 002 580 08 07 68 06 23 38 1 00 000 003
LAL, SUDARSHAN AND SRIVASTAVA, S. N.
REAGENTS FOR ANALYSIS OF IRON (II) - IRON (III)

JOURNAL OF CHEMICAL EDUCATION

08 00 67 1
*ANALYTICAL REAGENTS, *COLLEGE SCIENCE, *LABORATORY TECHNIQUES,
*QUALITATIVE ANALYSIS, *SCIENCE MATERIALS, *SCIENCE ACTIVITIES,
ANALYTICAL CHEMISTRY, SCIENCE EXPERIMENTS, IRON

88. SE 002 579 09 10 68 06 23 38 1 00 000 003
LAL, SUDARSHAN AND SRIVASTAVA, S. N.
SOME ANALYTICAL REAGENTS FOR TIN (II) TIN (IV) MIXTURES

JOURNAL OF CHEMICAL EDUCATION

08 00 67 1
*ANALYTICAL REAGENTS, *COLLEGE SCIENCE, *LABORATORY TECHNIQUES,
*QUALITATIVE ANALYSIS, *SCIENCE MATERIALS, *CHEMISTRY, SCIENCE
ACTIVITIES, TIN

89. SE 003 004 02 27 68 18 33 03 1 00 000 002
LANE, C . T.
RESOURCE LETTER LH-1 ON LIQUID HELIUM

AMERICAN JOURNAL OF PHYSICS

04 00 67 9
*BIBLIOGRAPHIES, *COLLEGE SCIENCE, *HELIUM, *LIQUID HELIUM,
*PAPERS, *PHYSICS, CHEMISTRY, NATIONAL SCIENCE FOUNDATION,
AMERICAN ASSOCIATION OF PHYSICS TEACHERS, RESOURCE LETTER

90. SE 003 565 03 04 68 18 23 38 1 00 000 003
LARDER, DAVID F.
HISTORICAL ASPECTS OF THE TETRAHEDRON IN CHEMISTRY

JOURNAL OF CHEMICAL EDUCATION

11 00 67 6
*COLLEGE SCIENCE, *CHEMISTRY, *STRUCTURAL CHEMISTRY, *SCIENCE
HISTORY, *TETRAHEDRAL MODELS, BIBLIOGRAPHIES, CRYSTALLOGRAPHY,
ORGANIC CHEMISTRY

91. SE 002 860 02 23 68 18 33 30 1 00 000 002
LAVATELLI, LEO
ORBIT GRAPHING BY ITERATION - A SIMPLE LABORATORY EXERCISE

AMERICAN JOURNAL OF PHYSICS

08 00 65 8
*COLLEGE SCIENCE, *LABORATORY EXPERIMENTS, *MECHANICS, *PHYSICS,
*SCIENCE ACTIVITIES, *SCIENCE EXPERIMENTS, GRAPHING, ORBIT
GRAPHING, FEYNMAN LECTURES ON PHYSICS

92. SE 003 892 09 27 68 18 83 17 2 14 000 184
LEBALD, W. K. AND SALVO, V. J.
IMPACT OF COLLEGE ON ENGINEERING STUDENTS' INTERESTS AND
VALUES

PURDUE UNIVERSITY, LAFAYETTE, INDIANA

06 00 64 15
*COLLEGE SCIENCE, *ENGINEERING, *PERSONAL VALUES, *STUDENT INTERESTS,
*SOCIAL ATTITUDES, *VOCATIONAL INTERESTS, ENGINEERING EDUCATION, RESEARCH
REPORTS, STRONG VOCATIONAL INTEREST RANK, AMERICAN SOCIETY FOR
ENGINEERING EDUCATION

93. SE 002 906 03 08 68 18 33 30 1 00 000 002
LEE, BRUCE E.
PROCEEDINGS - PATH OF CENTER OF MASS IN A TWO-DIMENSIONAL
COLLISION - A GENERAL PHYSICS LABORATORY EXPERIMENT

AMERICAN JOURNAL OF PHYSICS

07 00 67 2
*COLLEGE SCIENCE, *MECHANICS, *PHYSICS, *PAPER, *SCIENCE ACTIVITIES,
ENERGY, FORCES, SCIENCE EXPERIMENTS, AMERICAN ASSOCIATION OF PHYSICS
TEACHERS, BOZEMAN, MONTANA, 1966

94. SE 002 688 07 08 68 18 23 20 1 00 000 003
LEONARD, CHARLES B. J.
A LABORATORY EXPERIMENT USING INDICATORS

JOURNAL OF CHEMICAL EDUCATION

06 00 67 1
*CHEMISTRY, *COLLEGE SCIENCE, *SCIENCE EXPERIMENTS, *STUDENT
ACTIVITIES, RESOURCE MATERIALS, SECONDARY SCHOOL SCIENCE

95. SE 003 010 02 27 68 18 33 30 1 00 000 002
LERNER, ISIDOR
APPARATUS NOTES - DETERMINATION OF CP/CV

AMERICAN JOURNAL OF PHYSICS

05 00 67 1
*COLLEGE SCIENCE, *PHYSICS, *SCIENCE ACTIVITIES, GAMMA, SCIENCE DEMONSTRATION, THERMODYNAMICS

96. SE 002 132 02 07 68 18 23 20 1 00 000 003
LIVINGSTON, R. L.
THE TEACHING OF CRYSTAL GEOMETRY IN THE INTRODUCTORY COURSE

JOURNAL OF CHEMICAL EDUCATION

07 00 67 4
*CHEMISTRY, *COLLEGE SCIENCE, *CRYSTALLOGRAPHY, *PHYSICS, SECONDARY SCHOOL SCIENCE

97. SE 002 682 03 15 68 18 26 30 1 00 000 003
LOGAN, S. R.
THE SOLVATED ELECTRON - THE SIMPLEST IN AND REAGENT

JOURNAL OF CHEMICAL EDUCATION

06 00 67 6
*COLLEGE SCIENCE, *CHEMISTRY, *ELECTROCHEMISTRY, *PHYSICAL CHEMISTRY, *RESEARCH, *SCIENCE ACTIVITIES, ELECTRONS, HYDRATED ELECTRONS, IONS, SOLVATED ELECTRONS

98. SE 002 065 09 18 67 18 23 38 1 00 000 003
LUDER, W. F.
THE ELECTRON REPULSION THEORY OF THE CHEMICAL BOND

JOURNAL OF CHEMICAL EDUCATION

04 00 67 4
*ATOMIC MODELS, *ATOMIC STRUCTURE, *COLLEGE SCIENCE, *CHEMICAL BONDING, *MOLECULAR MODELS, *MOLECULAR STRUCTURE, CHEMISTRY, TEACHER RESOURCE MATERIALS

99. SE 003 869 09 27 68 18 23 20 1 00 000 003
MASON, E. A. AND KRONSTADT, BARBARA
GRAHAM'S LAWS OF DIFFUSION AND EFFUSION

JOURNAL OF CHEMICAL EDUCATION

12 00 67 5
*CHEMISTRY, *COLLEGE SCIENCE, *PHYSICAL CHEMISTRY, *SCIENCE HISTORY, *SCIENCE DEMONSTRATIONS, DIFFUSION, PHYSICAL SCIENCES, SCIENCE ACTIVITIES, NATIONAL SCIENCE FOUNDATION, DURHAM, NORTH CAROLINA, GRAHAM'S LAWS

100. SE 002 722 03 19 68 18 23 30 1 00 000 003
MEARS, DAVID AND BENSON, JOHN E.
LIQUID PHASE DEHYDROGENATION OF ISOPROPANOL

JOURNAL OF CHEMICAL EDUCATION

06 00 66 2
*COLLEGE SCIENCE, *CHEMISTRY, *CATALYSIS, *CHEMICAL ENGINEERING, *LABORATORY ACTIVITIES, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, DEHYDROGENATION, ISOPROPANOL, NATIONAL SCIENCE FOUNDATION

101. SE 002 077 02 06 68 18 23 38 1 00 000 003
MEISLICH, HERBERT
TEACHING AROMATIC SUBSTITUTION - A MOLECULAR ORBITAL APPROACH

JOURNAL OF CHEMICAL EDUCATION

03 00 67 2
*COLLEGE SCIENCE, *CHEMISTRY, *INSTRUCTION, AROMATIC SUBSTITUTION, MOLECULAR MODELS, *ORGANIC CHEMISTRY, TEACHING TECHNIQUES

102. SE 002 962 10 30 67 18 23 11 3 00 000 210
MELLON, M. G.
CHEMICAL PUBLICATIONS - THEIR NATURE AND USE

MCGRAW-HILL BOOK COMPANY

65 324
*COLLEGE SCIENCE, *CHEMISTRY, *LIBRARY INSTRUCTION, *REFERENCE MATERIALS, BIBLIOGRAPHIES, DIRECTORIES, DOCTORAL THESES, DICTIONARIES, ENCYCLOPEDIAS, PERIODICALS, TEXTBOOKS

103. SE 002 743 03 19 68 18 23 30 1 00 000 003
MOFFAT, J. B.
THERMODYNAMICS FROM DIPOLE MOMENTS

JOURNAL OF CHEMICAL EDUCATION

02 00 66 2
*COLLEGE SCIENCE, *CHEMISTRY, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, DIPOLE MOMENTS, LABORATORY ACTIVITIES, THERMODYNAMICS

104. SE 002 646 03 06 68 18 33 20 1 00 000 002
MORGAN, JOSEPH AND LYSIAK, R. J.
STUDIES OF LASER LIGHT SCATTERED BY A MOVING SURFACE

AMERICAN JOURNAL OF PHYSICS

05 00 66 4
*COLLEGE SCIENCE, *LASERS, *LABORATORY TECHNIQUES, *PHYSICS, OPTICS, PAPERS, GRANULARITY

105. SE 003 033 02 27 68 18 33 30 1 00 000 002
MORTLOCK, A. J.
EXPERIMENTS WITH A THERMOELECTRIC HEAT PUMP

AMERICAN JOURNAL OF PHYSICS

10 00 65 3
*COLLEGE SCIENCE, *PHYSICS, *SOLID STATE PHYSICS, *SCIENCE ACTIVITIES, ELECTRICITY, HEAT PUMPS, HEAT, SEMICONDUCTORS, SCIENCE EQUIPMENT, ELECTRONICS

106. SE 003 884 07 12 68 18 23 30 1 00 000 003
MOYNIHAN, CORNELIUS T.
A LOW TEMPERATURE FUSED SALT EXPERIMENT

JOURNAL OF CHEMICAL EDUCATION

09 00 67 5
*COLLEGE SCIENCE, *CHEMISTRY, *PHYSICAL SCIENCES, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, UNDERGRADUATE STUDY, SALTS, SCIENCE EXPERIMENTS

107. SE 002 588 03 15 68 18 33 30 1 00 000 002
MULLANEY, PAUL F.
SIMPLE DEMONSTRATIONS OF PHOTOCONDUCTIVITY IN C AND S

AMERICAN JOURNAL OF PHYSICS

09 00 66 4
*COLLEGE SCIENCE, *PHYSICS, *PHOTOCONDUCTIVITY, *SCIENCE ACTIVITIES, PHOTOCONDUCTORS, SCIENCE DEMONSTRATIONS, SOLID-STATE PHYSICS, CADMIUM SULFIDE

108. SE 002 714 03 19 68 18 23 38 1 00 000 003
MYERS, CLIFFORD E.
THE ENIGMATIC POLYMORPHISM OF IRON

JOURNAL OF CHEMICAL EDUCATION

06 00 66 4
*COLLEGE SCIENCE, *CHEMISTRY, FERROMAGNETISM, IRON, POLYMORPHISM, THERMODYNAMICS, AMERICAN CHEMICAL SOCIETY, 1964

109. SE 002 613 09 24 68 18 93 20 1 00 000 003
MYSELS, KAROL J.
TEXTBOOK ERRORS

JOURNAL OF CHEMICAL EDUCATION

01 00 67 2
*CHEMISTRY, *COLLEGE SCIENCE, *MEASUREMENT, *PHYSICS, *TEXTBOOKS, *TEXTBOOK EVALUATION, THERMODYNAMICS

110. SE 002 854 02 23 68 18 33 30 1 00 000 002
NAGEL, MICHAEL AND HAWORTH, F. E.
ADVANCED LABORATORY EXPERIMENTS ON OPTICAL PUMPING OF RUBIDIUM ATOMS - PART I - MAGNETIC RESONANCE

AMERICAN JOURNAL OF PHYSICS

07 00 66 6
*COLLEGE SCIENCE, *MAGNETIC RESONANCE, *OPTICAL PUMPING, *PHYSICS, *SCIENCE ACTIVITIES, *UNDERGRADUATE STUDY, RUBIDIUM, SCIENCE EXPERIMENTS, SCIENCE EQUIPMENT, NATIONAL SCIENCE FOUNDATION

111. SE 002 855 02 23 68 18 33 30 1 00 000 002
NAGEL, MICHAEL AND HAWORTH, F. E.
ADVANCED LABORATORY EXPERIMENTS ON OPTICAL PUMPING OF RUBIDIUM ATOMS - PART II - FREE PRECESSION

AMERICAN JOURNAL OF PHYSICS

07 00 66 3
*COLLEGE SCIENCE, *FREE PRECESSION, *OPTICAL PUMPING, *PHYSICS, *SCIENCE ACTIVITIES, *UNDERGRADUATE STUDY, RUBIDIUM, SCIENCE EXPERIMENTS, SCIENCE EQUIPMENT, NATIONAL SCIENCE FOUNDATION

112. SE 002 691 03 15 68 18 23 38 1 00 000 003
NELSON, DENNIS G.
XXVI. SAFETY TECHNIQUES FOR RESEARCH AND DEVELOPMENT OF NEW HIGH ENERGY OXIDIZERS

JOURNAL OF CHEMICAL EDUCATION

05 00 66 10
*COLLEGE SCIENCE, *CHEMISTRY, *CHEMICAL ENGINEERING, *OXIDIZERS, *SAFETY, HIGH ENERGY OXIDIZERS, RESEARCH

113. SE 001 918 05 29 68 18 93 03 2 00 000 002
NICHOLSON, MARJORIE
RESOURCE LETTER SL-1 ON SCIENCE AND LITERATURE

AMERICAN JOURNAL OF PHYSICS

03 00 65 9
*ANNOTATED BIBLIOGRAPHIES, *PHILOSOPHY, *SCIENCE HISTORY, *SCIENCE AND SOCIETY, ASTRONOMY, BIOLOGY, COLLEGE SCIENCE, CHEMISTRY, EVALUATION, HISTORICAL REVIEWS, PHYSICS, PSYCHOLOGY, AMERICAN ASSOCIATION OF PHYSICS TEACHERS, NATIONAL SCIENCE FOUNDATION, AMERICAN INSTITUTE OF PHYSICS

114. SE 003 833 07 12 68 18 33 04 2 00 000 002
NORBERG, R. E.
RESOURCE LETTER NMR-EPR-1 ON NUCLEAR MAGNETIC RESONANCE AND ELECTRON PARAMAGNETIC RESONANCE

AMERICAN JOURNAL OF PHYSICS

02 00 65 5
*BIBLIOGRAPHIES, *COLLEGE SCIENCE, *NUCLEAR MAGNETIC RESONANCE, *PHYSICS, MODERN PHYSICS, NUCLEAR PHYSICS, REFERENCE MATERIALS

115. SE 002 762 03 19 68 18 23 30 1 00 000 003
PACKER, J. E.
RESEARCH TOPICS FROM QUALITATIVE INORGANIC ANALYSIS

JOURNAL OF CHEMICAL EDUCATION

04 00 66 2
*COLLEGE SCIENCE, *CHEMISTRY, *QUALITATIVE ANALYSIS, *RESEARCH TOPICS, *SCIENCE ACTIVITIES, *STUDENT INVESTIGATION, ANALYTICAL CHEMISTRY, INSTRUCTION, LABORATORY ACTIVITIES, RESEARCH

116. SE 002 698 03 15 68 18 23 30 1 00 000 003
PERETTI, E. A.
THREE DIMENSIONAL MODELS IN PHASE RULE STUDIES

JOURNAL OF CHEMICAL EDUCATION

05 00 66 1
*ATOMIC STRUCTURE, *COLLEGE SCIENCE, *CHEMISTRY, *PHYSICAL CHEMISTRY, *PHASE MODELS, *SCIENCE ACTIVITIES, MODELS

117. SE 002 576 09 24 68 18 23 30 1 00 000 003
POONIA, N.S.
QUALITATIVE ANALYSIS WITH PAPER CHROMATOGRAPHY

JOURNAL OF CHEMICAL EDUCATION

08 00 67 2
*COLLEGE SCIENCE, *CHEMISTRY, *CHROMATOGRAPHY, *LABORATORY TECHNIQUES, *LABORATORY PROCEDURES, *SCIENCE EXPERIMENTS, PAPER CHROMATOGRAPHY, QUALITATIVE ANALYSIS, SCIENCE ACTIVITIES

118. SE 002 578 09 24 68 18 25 30 1 00 000 003
POONIA, N. S. AND GREPTA, H.K. J.
SPOT TESTS FOR SILVER (I) AND MANGANESE (II)

JOURNAL OF CHEMICAL EDUCATION

08 00 67 2
*ANALYTICAL CHEMISTRY, *CHEMISTRY, *LABORATORY PROCEDURES, *LABORATORY TECHNIQUES, *QUALITATIVE ANALYSIS, *SCIENCE EXPERIMENTS, COLLEGE SCIENCE, SCIENCE ACTIVITIES, SILVER, MANGANESE

119. SE 002 582 09 24 68 18 23 32 1 00 000 003
POONIA, N. S. AND OTHERS
DETECTION OF IRON WITH SALICYLIMINE

JOURNAL OF CHEMICAL EDUCATION

08 00 67 1
*ANALYTICAL CHEMISTRY, *CHEMISTRY, *LABORATORY EXPERIMENTS, *LABORATORY PROCEDURES, *SCIENCE EXPERIMENTS, *SCIENCE ACTIVITIES, COLLEGE SCIENCE

120. SE 002 713 03 19 68 18 23 30 1 00 000 003
RAMETTE, RICHARD W.
THE NATURE OF DISSOLVED SILVER ACETATE

JOURNAL OF CHEMICAL EDUCATION

06 00 66 24
*COLLEGE SCIENCE, *CHEMISTRY, *SCIENCE ACTIVITIES, EQUILIBRIUM, EQUILIBRIUM THEORY, LABORATORY ACTIVITIES, QUANTITATIVE ANALYSIS, AMERICAN CHEMICAL SOCIETY, 1959, SILVER ACETATE

121. SE 002 671 03 15 68 18 25 20 1 00 000 003
RENTOS, P. G. AND BAIER, E. J.
XXXVIII. INDUSTRIAL HYGIENE PROBLEMS WITHIN RESEARCH LABORATORIES

JOURNAL OF CHEMICAL EDUCATION

06 00 67 3
*COLLEGE SCIENCE, *CHEMISTRY, *RESEARCH LABORATORIES, *SAFETY, APPLIED SCIENCE, HYGIENE, INDUSTRIAL HYGIENE, PUBLIC HEALTH REPORTS

122. SE 003 392 03 07 68 18 43 20 1 00 000 197
RITTER, DALE F.
RATES OF DENUDATION

JOURNAL OF GEOLOGICAL EDUCATION

10 00 67 6
*BIBLIOGRAPHIES, *COLLEGE SCIENCE, *DENUDATION, *EARTH SCIENCE, *EROSION, *GEOLOGY

123. SE 002 559 02 14 68 18 33 38 1 00 000 002
ROMER, R. H.
ANGULAR MOMENTUM OF STATIC ELECTROMAGNETIC FIELDS

AMERICAN JOURNAL OF PHYSICS

09 00 66 7
*ANGULAR MOMENTUM, *COLLEGE SCIENCE, *STATIC ELECTROMAGNETIC FIELDS, *PHYSICS, *MOMENTUM, ELECTROMAGNETIC THEORY

124. SE 002 721 02 22 68 18 23 30 1 00 000 003
ROSE, NORMAN C.
HYDRATION OF AN ALKYNE

JOURNAL OF CHEMICAL EDUCATION

06 00 66 1
*COLLEGE SCIENCE, *CHEMISTRY, *HYDRATION, *ORGANIC CHEMISTRY, *SCIENCE ACTIVITIES, LABORATORY ACTIVITIES

125. SE 002 585 10 18 67 18 33 30 1 00 000 002
ROSEN, GERALD
TO SCATTER A PHOTON BY A PHOTON

AMERICAN JOURNAL OF PHYSICS

09 00 66 6
*COLLEGE SCIENCE, *PHYSICS, *MODERN PHYSICS, *PHOTON SCATTERING, *SCIENCE ACTIVITIES, PAPER, PHOTON DETECTION, X-RAY FLASH TUBES, PHOTONS

126. SE 002 504 09 24 68 18 43 37 2 00 000 368
ROY, CHALMER J.
THE SPHERE OF THE GEOLOGICAL SCIENTIST

THE AMERICAN GEOLOGICAL INSTITUTE

65 29
*CAREER OPPORTUNITIES, *EARTH SCIENCE, *GEOLOGY, *PROFESSIONAL OCCUPATIONS, *SCIENCE CAREERS, BIOLOGICAL SCIENCES, CHEMISTRY, COLLEGE STUDENTS, GEOLOGISTS, METEOROLOGY, OCEANOLOGY, PROFESSIONAL EDUCATION, PHYSICS, SCIENTISTS, SCIENTIFIC MANPOWER, AMERICAN GEOLOGICAL INSTITUTE

127. SE 002 670 03 15 68 06 23 30 1 00 000 003
RUDMAN, REUBEN
XXXVII. X-RAY DIFFRACTION ANALYSIS (CONCLUDED) - PART 6 - SINGLE CRYSTAL METHODS (CONTINUED) AND MISCELLANEOUS METHODS

JOURNAL OF CHEMICAL EDUCATION

06 00 67 17
*COLLEGE SCIENCE, *CHEMISTRY, *INSTRUMENTATION, *MEASUREMENT, *PHYSICAL CHEMISTRY, *RESEARCH, *SCIENCE EQUIPMENT, *SCIENCE ACTIVITIES, *X-RAY DIFFRACTION, *X-RAY DIFFRACTION ANALYSIS, UNITED STATES ATOMIC ENERGY COMMISSION

128. SE 002 849 02 23 68 18 73 30 1 00 000 002
RUSSELL, ALLAN M.
STATISTICAL EXPERIMENT FOR A GENERAL SCIENCE LABORATORY

AMERICAN JOURNAL OF PHYSICS

09 00 65 3
*COLLEGE SCIENCE, *GENERAL SCIENCE, *PHYSICS, *SCIENCE ACTIVITIES, ELECTRICITY, ELECTRICAL RESISTANCE, SCIENCE EXPERIMENTS

129. SE 003 881 09 27 68 18 23 2 1 00 000 003
SANDERSON, R. T.
THE NATURE OF "IONIC" SOLIDS

JOURNAL OF CHEMICAL EDUCATION

09 00 67 8
*COLLEGE SCIENCE, *CHEMISTRY, *CHEMICAL BONDING, *INORGANIC CHEMISTRY, *MODELS, *SCIENTIFIC PRINCIPLES, *SCIENTIFIC CONCEPTS, INSTRUCTION, IONS, IONIC SOLIDS

130. SE 002 666 04 18 68 18 33 20 1 00 000 002
SCARFONE, LEONARD M.
LEHMANN-SYMANZIK-ZIMMERMANN FORMALISM IN THE ONE-BOSON LEE MODEL

AMERICAN JOURNAL OF PHYSICS

03 00 66 6
*COLLEGE SCIENCE, FIELD THEORY, *PHYSICS, *QUANTUM MECHANICS, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, ONE-BOSON LEE MODEL

131. SE 002 887 02 26 68 18 33 30 1 00 000 002
SCHMITT, H. J.
ELECTRON-ACOUSTIC WAVE RESONANCES

AMERICAN JOURNAL OF PHYSICS

02 00 66 2
*COLLEGE SCIENCE, *PHYSICS, *SCIENCE ACTIVITIES, *WAVE RESONANCE, AMBIPOLAR DIFFUSION COEFFICIENT, DECAY RATES, ELECTRON DENSITY, PLASMA, SCIENCE EXPERIMENTS

132. SE 002 561 09 24 68 18 93 38 1 00 000 003
SCHMITZ, THOMAS M. AND DAVIES, RALPH K.
SAFETY IN THE CHEMICAL LABORATORY - LABORATORY ACCIDENT LIABILITY - ACADEMIC AND INDUSTRIAL

JOURNAL OF CHEMICAL EDUCATION

08 00 67 8
*ACCIDENTS, *ACCIDENT LIABILITY, *CHEMISTRY, *COLLEGE SCIENCE, *GUIDELINES, *LABORATORY SAFETY, *SAFETY, *SCHOOL SAFETY, EDUCATIONAL PROBLEMS, LABORATORY PROCEDURES, SCIENCE EXPERIMENTS

133. SE 002 700 02 22 68 18 23 30 1 00 000 003
SCHRIER, EUGENE E.
INTERMOLECULAR ASSOCIATION AND MOLAR POLARIZATION - PHYSICAL CHEMISTRY EXPERIMENT

JOURNAL OF CHEMICAL EDUCATION

05 00 66 3
*COLLEGE SCIENCE, *CHEMISTRY, *INTERMOLECULAR ASSOCIATION, *MOLAR POLARIZATION, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, LABORATORY ACTIVITIES

134. SE 001 393 09 23 68 18 43 38 1 00 000 197
SCHUMM, S. A.
THE DEVELOPMENT AND EVOLUTION OF HILLSLOPES

JOURNAL OF GEOLOGICAL EDUCATION

06 00 66 4
*GEOLOGY, *SCIENTIFIC PRINCIPLES, *SCIENTIFIC RESEARCH, *SCIENTIFIC METHODOLOGY, COLLEGE SCIENCE, EARTH SCIENCE, MATHEMATIC APPLICATIONS, COUNCIL ON EDUCATION IN THE GEOLOGICAL SCIENCES, AMERICAN GEOLOGICAL INSTITUTE, NATIONAL SCIENCE FOUNDATION, HILLSLOPES

135. SE 002 907 03 06 68 18 33 30 1 00 000 002
SCHWARZ, GUENTER AND AKERS, CHARLES E.
PROCEEDINGS - ACOUSTICAL MICHELSON-MORLEY EXPERIMENT

AMERICAN JOURNAL OF PHYSICS

07 00 67 1
*COLLEGE SCIENCE, *PHYSICS, *SCIENCE ACTIVITIES, *SCIENCE DEMONSTRATIONS, ELECTROMAGNETIC WAVES, NATIONAL SCIENCE FOUNDATION, MICHELSON-MORLEY EXPERIMENT

136. SE 002 632 03 06 68 18 33 38 1 00 000 002
SCHWARZ, GUENTER AND BEARDEN, ALAN J.
APPARATUS NOTES

AMERICAN JOURNAL OF PHYSICS

08 00 66 2
*COLLEGE SCIENCE, *MEASUREMENT, *PHYSICS, *SCIENCE EQUIPMENT, SCINTILLATION CRYSTALS, TRANSDUCERS

137. SE 002 078 02 06 68 18 23 30 1 00 000 003
SENOGLES, E. AND WOOLF, L. A.
POLYMERIZATION KINETICS - DEAD-END RADICAL POLYMERIZATION

JOURNAL OF CHEMICAL EDUCATION

03 00 67 1
*COLLEGE SCIENCE, *CHEMISTRY, *KINETICS, *ORGANIC CHEMISTRY, *SCIENCE EXPERIMENTS, LABORATORY TECHNIQUES, POLYMERIZATION, SCIENCE ACTIVITIES, TEACHING TECHNIQUES

138. SE 003 006 02 27 68 18 33 38 1 00 000 002
SHIRER, DONALD L. AND BARTEL, THOMAS W.
INSTRUCTIONAL USES OF THE COMPUTER, "PHOTOGRAPHIC" APPEARANCE OF RAPIDLY MOVING OBJECTS

AMERICAN JOURNAL OF PHYSICS

05 00 67 1
*COLLEGE SCIENCE, *COMPUTERS, *COMPUTER-ASSISTED INSTRUCTION, *PHYSICS, *RELATIVITY, INSTRUCTION, ORTHOGRAPHIC PROJECTIONS, FASTVU

139. SE 002 669 11 09 67 18 33 21 1 00 000 002
SHONLE, JOHN I.
CORRECTION TO RESOURCE LETTER CM-1

AMERICAN JOURNAL OF PHYSICS

03 00 66 1
*ANGULAR MOMENTUM, *COLLEGE SCIENCE, *MECHANICS, *PHYSICS, MOTION, RESOURCE LETTER CM-1

140. SE 003 022 02 27 68 18 33 03 1 00 000 002
SHONLE, JOHN I.
RESOURCE LETTER CM-1 ON THE TEACHING OF ANGULAR MOMENTUM AND RIGID BODY MOTION

AMERICAN JOURNAL OF PHYSICS

11 00 65 9
*ANGULAR MOMENTUM, *BIBLIOGRAPHIES, *COLLEGE SCIENCE, *INSTRUCTION, *KINEMATIC, *MECHANICS, *PHYSICS, NATIONAL SCIENCE FOUNDATION, AMERICAN ASSOCIATION OF PHYSICS TEACHERS, RESOURCE LETTER

141. SE 003 030 02 27 68 06 33 30 1 00 000 002
SHRADER, ERWIN F.
TWO QUANTITATION LECTURE DEMONSTRATIONS CONCERNING LINEAR MOMENTUM

AMERICAN JOURNAL OF PHYSICS

10 00 65 6
*COLLEGE SCIENCE, *LECTURE DEMONSTRATIONS, *MOMENTUM, *PHYSICS, *SCIENCE EQUIPMENT, *SCIENCE ACTIVITIES, LINEAR MOMENTUM, MECHANICS, SCIENCE DEMONSTRATIONS

2

142 SE 003 313 09 25 68 18 33 30 1 00 000 003
SHURVELL, H. F.
THE KINETICS OF AN IONIC REACTION

JOURNAL OF CHEMICAL EDUCATION

10 00 67 3
*COLLEGE SCIENCE, *CHEMISTRY, *IONIC REACTIONS, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, *SCIENCE EXPERIMENTS, KINETICS

143. SE 002 633 03 06 68 18 33 20 1 00 000 002
SILLITTO, R. M.
ANGULAR DISTRIBUTION OF THE ACOUSTIC RADIATION FROM A TUNING FORK

AMERICAN JOURNAL OF PHYSICS

08 00 66 5
*ACOUSTIC RADIATION, *COLLEGE SCIENCE, *PHYSICS, *WAVE PROPAGATIONS, *SOUND, ACOUSTICS, WAVES

144. SE 002 884 02 26 68 18 33 20 1 00 000 002
SLINN, W. G. N.
MULTIPLE TRANSFORMS FOR MATHEMATICAL PHYSICS COURSES

AMERICAN JOURNAL OF PHYSICS

02 00 66 5
*COLLEGE SCIENCE, *MATHEMATICS, *PHYSICS, *PAPER, *PARTIAL DIFFERENTIAL EQUATIONS, *TRANSFORMS

145. SE 003 312 09 25 68 18 23 30 1 00 000 003
SOCRATES, G.
KINETIC STUDY BY NUCLEAR MAGNETIC RESONANCE

JOURNAL OF CHEMICAL EDUCATION

10 00 67 2
*ANALYTICAL CHEMISTRY, *COLLEGE SCIENCE, *CHEMISTRY, *INSTRUMENTATION *NUCLEAR MAGNETIC RESONANCE, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, *UNDERGRADUATE STUDY, SCIENCE EXPERIMENTS

146. SE 003 085 02 27 68 18 33 30 1 00 000 002
SOULES, JACK A.
IMPROVED SOPHOMORE EXPERIMENT TO MEASURE LATENT HEAT OF FUSION

AMERICAN JOURNAL OF PHYSICS

01 00 67 4
*COLLEGE SCIENCE, *HEAT, *LATENT HEAT, *PHYSICS, *SCIENCE ACTIVITIES, SCIENCE EXPERIMENTS

147. SE 002 644 04 20 68 18 33 20 2 00 000 002
SPARBERG, ESTHER B.
MISINTERPRETATION OF THEORIES OF LIGHT

AMERICAN JOURNAL OF PHYSICS

05 00 66 12
*COLLEGE SCIENCE, *LIGHT, *PHYSICS, OPTICS, RESOURCE MATERIALS,
NATIONAL SCIENCE FOUNDATION

148. SE 003 877 09 27 68 18 23 38 1 00 000 003
STEERE, NORMAN V., EDITOR
SAFETY IN THE CHEMICAL LABORATORY

JOURNAL OF CHEMICAL EDUCATION

09 00 67 5
*ACCIDENT PREVENTION, *COLLEGE SCIENCE, *CHEMISTRY, *LABORATORY
SAFETY, *SAFETY, *SCIENCE LABORATORIES, *SCHOOL SAFETY, EDUCATIONAL
PROBLEMS, LABORATORY PROCEDURES, SCIENCE EXPERIMENTS, TOXICITY

149. SE 003 306 07 10 68 18 23 20 1 00 000 003
STEERE, NORMAN V., EDITOR
SAFETY IN THE CHEMICAL LABORATORY

JOURNAL OF CHEMICAL EDUCATION

10 00 67 6
*COLLEGE SCIENCE, *CHEMISTRY, *LABORATORY SAFETY, *PHYSICAL
SCIENCES, SAFETY, TOXICITY

150. SE 003 868 07 12 68 18 23 20 1 00 000 003
STEERE, NORMAN V., EDITOR
SAFETY IN THE CHEMICAL LABORATORY

JOURNAL OF CHEMICAL EDUCATION

12 00 67 7
*COLLEGE SCIENCE, *CHEMISTRY, *LABORATORY SAFETY, *PHYSICAL
SCIENCES, INSTRUCTION, CHEMICAL STORAGE, SAFETY

151. SE 002 694 07 12 68 18 23 38 1 00 000 003
STONE, E. E.
COMPLEX CHEMICAL EQUILIBRIA - APPLICATION OF NEWTON-RAPHSON
METHOD TO SOLVE NON-LINEAR EQUATIONS

JOURNAL OF CHEMICAL EDUCATION

05 00 66 4
*COLLEGE SCIENCE, *CHEMISTRY, *PHYSICAL CHEMISTRY, CHEMICAL
EQUILIBRIA, EQUILIBRIA, CHEMICAL EQUATIONS, INSTRUCTION

152. SE 003 882 09 27 68 18 23 30 1 00 000 003
SWINEHART, JAMES H.
RELAXATION KINETICS

JOURNAL OF CHEMICAL EDUCATION

09 00 67 3
*COLLEGE SCIENCE, *CHEMISTRY, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, *SCIENCE EXPERIMENTS, *UNDERGRADUATE STUDY, INSTRUMENTATION, KINETICS, MATTER, PHYSICAL SCIENCES, NATIONAL SCIENCE TEACHERS ASSOCIATION

153. SE 002 695 02 22 68 18 23 38 1 00 000 003
TABBUTT, FREDERICK D.
TITRATION CURVES FROM LOGARITHMIC CONCENTRATION DIAGRAMS

JOURNAL OF CHEMICAL EDUCATION

05 00 66 5
*ANALYTICAL CHEMISTRY, *COLLEGE SCIENCE, *CHEMISTRY, *INSTRUCTIONAL PROCEDURE, *PHYSICAL CHEMISTRY, *TITRATION CURVES, ACIDS, BASES, LOGARITHMS, OXIDATION REDUCTION, TITRATION

154. SE 002 741 03 19 68 18 23 30 1 00 000 003
THOMPSON, H. BRADFORD
THE DETERMINATION OF DIPOLE MOMENTS IN SOLUTION

JOURNAL OF CHEMICAL EDUCATION

02 00 66 8
*COLLEGE SCIENCE, *CHEMISTRY, *DIPOLE MOMENTS, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, LABORATORY ACTIVITIES, MEASUREMENT, SCIENCE PROJECTS, ATOMIC ENERGY COMMISSION

155. SE 003 883 07 12 68 18 23 30 1 00 000 003
TRAPP, CHARLES AND JOHNSON, RICHARD
CRYSTAL FIELD SPECTRA OF TRANSITION METAL IONS

JOURNAL OF CHEMICAL EDUCATION

09 00 67 4
*COLLEGE SCIENCE, *CHEMISTRY, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, PHYSICAL SCIENCES, UNDERGRADUATE STUDY, TRANSITION METAL IONS

156. SE 003 002 02 27 68 18 33 30 1 00 000 002
TRAUB, ALAN C.
TWO TEACHING DEMONSTRATIONS USING FLEXIBLE MIRRORS

AMERICAN JOURNAL OF PHYSICS

06 00 67 5
*COLLEGE SCIENCE, *PHYSICS, *OPTICS, *SCIENCE ACTIVITIES, SCIENCE DEMONSTRATIONS

157. SE 003 977 08 08 68 18 33 20 1 00 000 002
TUBBS, ELDRED F.
DEMONSTRATION OF GASEOUS DIFFUSION

AMERICAN JOURNAL OF PHYSICS

11 00 67 4
*COLLEGE SCIENCE, *CHEMISTRY, *DIFFUSION, *PHYSICAL SCIENCES, *PHYSICS, *SCIENCE EQUIPMENT, *SCIENCE DEMONSTRATIONS, GASES, AAPT APPARATUS COMPETITION

158. SE 002 651 02 20 68 18 33 30 1 00 000 002
TURNER, THOMAS J.
STUDY OF THE SIMPLE HARMONIC OSCILLATOR BY MEANS OF F-CENTER ABSORPTION

AMERICAN JOURNAL OF PHYSICS

04 00 66 5
*COLLEGE SCIENCE, *MECHANICS, *PHYSICS, *SCIENCE ACTIVITIES, HARMONIC OSCILLATORS, MODERN PHYSICS, QUANTUM PHYSICS, QUANTUM MECHANICS, SCIENCE EXPERIMENTS, F-CENTER ABSORPTION

159. SE 003 885 09 27 68 18 23 20 1 00 000 003
TURRO, NICHOLAS J.
PHOTOCHEMICAL REACTIVITY

JOURNAL OF CHEMICAL EDUCATION

09 00 67 2
*CHEMISTRY, *SCIENTIFIC CONCEPTS, *PHOTOCHEMISTRY, COLLEGE SCIENCE

160. SE 002 715 03 19 68 18 23 30 1 00 000 003
VAN LENTE, K. A.
COULOMETRY

JOURNAL OF CHEMICAL EDUCATION

06 00 66 2
*COLLEGE SCIENCE, *CHEMISTRY, *COULOMETRY, *ELECTROCHEMISTRY, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, *SCIENCE EQUIPMENT, FARADAY'S LAWS, LABORATORY ACTIVITIES, COULOMETERS

161. SE 002 719 03 19 68 18 23 30 1 00 000 003
VEENING, HANS
QUANTITATIVE INFRARED ANALYSIS OF XYLENE MIXTURES

JOURNAL OF CHEMICAL EDUCATION

06 00 66 2
*COLLEGE SCIENCE, *CHEMISTRY, *INFRARED ANALYSIS, *SCIENCE ACTIVITIES, *XYLENE, ANALYTICAL CHEMISTRY, INSTRUMENTAL ANALYSIS, LABORATORY ACTIVITIES

162. SE 002 725 03 19 68 18 23 30 1 00 000 003
WARKENTIN, J.
BROMINATION OF ALKANES

JOURNAL OF CHEMICAL EDUCATION

06 00 66 1
*COLLEGE SCIENCE, *CHEMISTRY, *ORGANIC CHEMISTRY, *SCIENCE ACTIVITIES, ALKANES, BROMINATION, LABORATORY ACTIVITIES

163. SE 003 016 04 05 68 18 33 30 1 00 000 002
WEBB, HELEN H.
QUANTITATIVE STUDY OF LINEAR MOMENTUM IN TWO DIMENSIONS BY MEANS OF PUCKS OPERATED ON A RECTANGULAR AIR TABLE

AMERICAN JOURNAL OF PHYSICS

12 00 65 6
*COLLEGE SCIENCE, *MECHANICS, *MOMENTUM, *PHYSICS, *SCIENCE ACTIVITIES, *SCIENCE, *SCIENCE EQUIPMENT, *SCIENCE DEMONSTRATION, AIR TABLE

164. SE 002 523 09 09 68 06 33 30 1 00 000 002
WEISSMAN, ERIC
THE WATER FLASK WITH UNEQUAL HOLES

AMERICAN JOURNAL OF PHYSICS

12 00 66 3
*COLLEGE SCIENCE, *FLUID MECHANICS, *PHYSICS, *SCIENCE ACTIVITIES, *SCIENCE EQUIPMENT, CALCULUS, INSTRUCTION

165. SE 002 702 02 22 68 18 23 30 1 00 000 003
WENTWORTH, WAYNE E.
DEPENDENCE OF THE BEER-LAMBERT ABSORPTION LAW ON MONOCHROMATIC RADIATION - AN EXPERIMENT IN SPECTROPHOTOMETRY

JOURNAL OF CHEMICAL EDUCATION

05 00 66 3
*COLLEGE SCIENCE, *CHEMISTRY, *INSTRUMENTAL ANALYSIS, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, *SPECTROPHOTOMETRY, ANALYTICAL CHEMISTRY, INSTRUMENTATION, LABORATORY ACTIVITIES, MONOCHROMATIC RADIATION

166. SE 002 636 03 06 68 18 35 20 1 00 000 002
WHIPPMAN, M. L.
ORBITAL ANGULAR MOMENTUM IN QUANTUM MECHANICS

AMERICAN JOURNAL OF PHYSICS

08 00 66 4
*COLLEGE SCIENCE, *ORBITAL ANGULAR MOMENTUM, *QUANTUM MECHANICS,
*PHYSICS, ANGULAR MOMENTUM, ATOMIC ENERGY COMMISSION

167. SE 002 073 08 23 67 18 23 38 2 00 000 003
WHITE, J. EDMUND
AN INTRODUCTION TO GROUP THEORY FOR CHEMISTS

JOURNAL OF CHEMICAL EDUCATION

03 00 67 5
*ATOMIC THEORY, *COLLEGE SCIENCE, *CHEMISTRY, *MOLECULAR MODELS,
*TEACHER RESOURCE MATERIALS

168. SE 002 591 02 14 68 18 33 30 1 00 000 002
WHITESIDE, H. AND OTHERS
AN EXPERIMENT IN ELEMENTARY PARTICLE PHYSICS FOR THE ELEMENTARY LABORATORY

AMERICAN JOURNAL OF PHYSICS

11 00 66 10
*COLLEGE SCIENCE, *PHYSICS, *SCIENCE ACTIVITIES, BUBBLE CHAMBERS,
MATTER, ELEMENTARY PARTICLES, NUCLEAR PHYSICS, SCIENCE EXPERIMENTS

169. SE 003 451 09 25 68 18 33 20 1 00 000 002
WHITMER, ROBERT M.
CALCULATION OF MAGNETIC AND ELECTRIC FIELDS FROM DISPLACEMENT CURRENTS

AMERICAN JOURNAL OF PHYSICS

06 00 65 4
*COLLEGE SCIENCE, *ELECTRICITY, *MAGNETISM, *PHYSICS, ELECTRIC
FIELDS, EQUATIONS, MAGNETIC FIELDS, PHYSICAL SCIENCES, BIOT-SAVART LAW

170. SE 003 084 02 27 68 18 33 03 2 00 000 002
WINCKLER, J. R. AND HOFMANN, D. J.
RESOURCE LETTER CR-1 ON COSMIC RAYS

AMERICAN JOURNAL OF PHYSICS

01 00 67 11
*BIBLIOGRAPHIES, *COLLEGE SCIENCE, *COSMIC RAYS, *PHYSICS, NATIONAL
SCIENCE FOUNDATION, AMERICAN ASSOCIATION OF PHYSICS TEACHERS,
RESOURCE LETTER

171. SE 003 315 09 25 68 18 33 20 1 00 000 003
YINGST, AUSTIN
EVALUATION OF TITRATION ANALYSES WITH LOGARITHMIC
CONCENTRATION DIAGRAMS

JOURNAL OF CHEMICAL EDUCATION

10 00 67 3
*COLLEGE SCIENCE, *CHEMISTRY, *PHYSICAL SCIENCES, *TITRATIONS,
*TEACHING TECHNIQUE, ANALYTICAL CHEMISTRY

172. SE 002 545 09 24 68 18 93 30 1 00 000 002
ZEMANSKY, MARK V.
KELVIN AND CARATHEODORY - A RECONCILIATION

10 00 66 8
*CHEMISTRY, *COLLEGE SCIENCE, *PHYSICS, *SCIENTIFIC CONCEPTS,
*THERMODYNAMICS

D. GENERAL

1. Biological Sciences

1. SE 003 432 09 25 68 18 15 03 1 00 000 199
ADAMS, LOWELL
BIBLIOGRAPHY

BIOSCIENCE

02 00 65 2
*BIBLIOGRAPHIES, *BIOLOGY, *BIOTELEMETRY, *COLLEGE SCIENCE,
*SECONDARY SCHOOL SCIENCE, ECOLOGY, ELECTRONICS

2. SE 003 491 09 25 68 18 15 38 1 00 000 001
AMARO, A.
METHODS IN THE GENERAL BIOLOGY OF OPALINID PROTOZOA

AMERICAN BIOLOGY TEACHER

10 00 67 6
*BIOLOGY, *PROTOZOA, *SCIENCE ACTIVITIES, *SCIENCE MATERIALS,
COLLEGE SCIENCE, LABORATORY TECHNIQUES, SECONDARY SCHOOL
SCIENCE, ZOOLOGY, OPALINIDS

3. SE 003 059 07 09 68 18 15 38 1 00 000 001
ANTHONY, VAUGHN
USE OF POPULATION DYNAMICS IN MARINE FISHERY STUDIES

THE AMERICAN BIOLOGY TEACHER

09 00 67 6
*BIOLOGY, *LABORATORY TECHNIQUES, *MICROBIOLOGY, *RESOURCE
MATERIALS, *SCIENCE ACTIVITIES, COLLEGE SCIENCE, SECONDARY SCHOOL
SCIENCE, ZOOLOGY

4. SE 003 478 09 25 68 18 15 03 1 00 000 199
BELL, RITCHIE
BIBLIOGRAPHY - PLANT TAXONOMY

BIO SCIENCE

05 00 65 3
*BIBLIOGRAPHIES, *BOTANY, *COLLEGE SCIENCE, *PLANT TAXONOMY,
*SECONDARY SCHOOL SCIENCE, BIOLOGY

5. SE 003 057 07 09 68 18 15 38 1 00 000 001
BOYAR, HAROLD C.
SWIMMING BEHAVIOR OF FISHES

THE AMERICAN BIOLOGY TEACHER

09 00 67 3
*BIOLOGY, *BEHAVIOR, *ICHTHYOLOGY, *MEASUREMENT, *SCIENCE ACTIVITIES,
BEHAVIORAL SCIENCES, COLLEGE SCIENCE, RESOURCE MATERIALS, SECONDARY
SCHOOL SCIENCE, SCIENCE DEMONSTRATIONS

6. SE 003 094 07 10 68 18 15 37 1 00 000 402
BRILL, LEON
DRUG ABUSE AS A SOCIAL PROBLEM

INTERNATIONAL JOURNAL OF THE ADDICTIONS

06 00 66 14
*DRUG ABUSE, *DRUG ADDICTION, *HEALTH EDUCATION, *RESOURCE MATERIALS,
*SOCIAL PROBLEMS, ADULT EDUCATION, HIGHER EDUCATION, NARCOTICS,
SOCIALLY DEVIATE BEHAVIOR, SOCIOECONOMIC INFLUENCES, SECONDARY
EDUCATION

7. SE 003 530 09 25 68 18 15 20 1 00 000 462
EDDY, NATHAN B. AND OTHERS
DRUG DEPENDENCE - ITS SIGNIFICANCE AND CHARACTERISTICS

BULLETIN OF THE WORLD HEALTH ORGANIZATION

65 13
*DRUG ABUSE, *HEALTH EDUCATION, *RESOURCE MATERIALS, ALCOHOL
EDUCATION, ADULT EDUCATION, DRUG ADDICTION, HIGHER EDUCATION,
NARCOTICS, SECONDARY EDUCATION, SOCIALLY DEVIATE BEHAVIOR,
WORLD HEALTH ORGANIZATION

8. SE 002 927 09 24 68 18 16 20 1 00 000 199
FOREST, HERMAN S. AND GREENSTEIN, HAROLD
BIOLOGISTS AS PHILOSOPHERS

BIOSCIENCE

11 00 66 6
*BIOLOGICAL SCIENCES, *ESSAYS, *PHILOSOPHY, *SCIENTISTS, *SCIENTIFIC
ENTERPRISE

9. SE 001 490 09 23 68 18 95 11 2 42 000 188
FRIGERIO, NORMAN A.
YOUR BODY AND RADIATION

U. S. ATOMIC ENERGY COMMISSION, DIVISION OF TECHNICAL INFORMATION

12 00 66 78
*ADULT EDUCATION, *COLLEGE SCIENCE, *RADIATION BIOLOGY,
*TEACHER RESOURCE MATERIALS, PHYSICS, RADIATION, SAFETY, SECONDARY
SCHOOL SCIENCE

10. SE 003 476 09 25 68 18 15 20 1 00 000 199
GEYER, R. E.
THE AGRICULTURAL SCIENCES

BIOSCIENCE

05 00 65 5
*AGRICULTURE, *BIOLOGY, *OBJECTIVES, *SCIENTIFIC RESEARCH, ENGINEERING,
NATURAL SCIENCES, RESEARCH, SOIL SCIENCE, TRENDS, TECHNOLOGY

11. SE 002 945 07 08 68 18 16 20 1 00 000 199
GHENT, ARTHUR W.
THE LOGIC OF EXPERIMENTAL DESIGN IN THE BIOLOGICAL SCIENCES

BIOSCIENCE

01 00 66 6
*BIOLOGICAL SCIENCES, *LOGIC, *RESEARCH DESIGN, *SCIENCES, *SCIENTIFIC ENTERPRISE, *SCIENTIFIC RESEARCH, *SCIENTISTS, DEDUCTIVE METHOD, INDUCTIVE METHOD, RESOURCE MATERIALS, SCIENTIFIC METHODOLOGY

12. SE 003 473 09 25 68 18 12 03 1 00 000 199
HIGHTON, RICHARD
BIBLIOGRAPHY - AMPHIBIANS AND REPTILES

BIOSCIENCE

06 00 65 1
*BIOLOGY, *BIBLIOGRAPHIES, *COLLEGE SCIENCE, *SECONDARY SCHOOL SCIENCE, AMPHIBIANS, REPTILES, ZOOLOGY

13. SE 003 397 09 09 68 18 15 30 1 00 000 014
HYER, JAMES E.
INSECTS IN THE CLASSROOM

THE GRADE TEACHER

09 00 59 3
*ELEMENTARY SCHOOL SCIENCE, *INSECTS, *SCIENCE MATERIALS, *SECONDARY SCHOOL SCIENCE, ENTOMOLOGY, SCIENCE ACTIVITIES, SCIENCE EQUIPMENT

14. SE 002 687 07 08 68 18 15 38 1 00 000 003
LEDBETTER, JOHN W., JR. AND JONES, HARRY D.
DEMONSTRATING OSMOTIC AND HYDROSTATIC PRESSURES IN BLOOD CAPILLARIES

JOURNAL OF CHEMICAL EDUCATION

06 00 67 1
*BIOLOGY, *LABORATORY EXPERIMENTS, *PHYSIOLOGY, *RESOURCE MATERIALS, *SCIENCE ACTIVITIES, COLLEGE SCIENCE, SCIENCE DEMONSTRATIONS, SECONDARY SCHOOL SCIENCE

15. SE 002 935 07 08 68 17 15 03 1 00 000 199
LITTLE, ELBERT L. , JR.
BIBLIOGRAPHY - TREES AND SHRUBS OF THE UNITED STATES (IDENTIFICATION)

BIOSCIENCE

11 00 65 2
*BOTANY, *BIBLIOGRAPHIES, *DENDROLOGY, *INSTRUCTIONAL MATERIALS, *IDENTIFICATION KEYS, *RESOURCE MATERIALS, *TAXONOMY, BIOLOGY, COLLEGE SCIENCE, ELEMENTARY SCHOOL SCIENCE, SECONDARY SCHOOL SCIENCE

16. SE 002 781 09 22 67 18 15 30 1 00 000 373
MERCHANT, DONALD J. AND KAHN, RAYMOND H.
THE LIVING ANIMAL CELL - A WARD'S CURRICULUM AID

WARD'S NATURAL SCIENCE ESTABLISHMENT, ROCHESTER, NEW YORK

66 12
*BIOLOGY, *COLLEGE SCIENCE, *CYTOLOGY, *LABORATORY TECHNIQUES,
*SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, CELL THEORY,
SCIENCE EQUIPMENT, ZOOLOGY, WARD'S CURRICULUM AID

17. SE 003 490 09 16 68 18 15 38 1 00 000 001
MURPHY, GLENN W.
FOR CELL STUDY - NITELLA, A COMMON GREEN ALGAE

THE AMERICAN BIOLOGY TEACHER

10 00 67 2
*BIOLOGY, *COLLEGE SCIENCE, *CYTOLOGY, *SCIENCE MATERIALS,
*SECONDARY SCHOOL SCIENCE, ALGAE, BOTANY, CELL THEORY,
LABORATORY TECHNIQUES, NITELLA

18. SE 003 494 09 25 68 18 15 30 1 00 000 001
OVELMEN, SHERMAN O.
CARBON DIOXIDE IN PHOTOSYNTHESIS AND RESPIRATION

AMERICAN BIOLOGY TEACHERS

10 00 67 2
*BIOLOGY, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES
BOTANY, COLLEGE SCIENCE, LABORATORY TECHNIQUES, PHOTOSYNTHESIS,
RESPIRATION, ELODEA

19. SE 003 063 07 10 68 18 15 38 1 00 000 001
RAIMIST, ROGER JOHN
MOUNTING OF ZOOPLANKTON

THE AMERICAN BIOLOGY TEACHER

09 00 67 3
*BIOLOGY, *ECOLOGY, *OCEANOLOGY, *RESOURCE MATERIALS, *POPULATION
DYNAMICS, COLLEGE SCIENCE, FISH, SCIENCE ACTIVITIES, SECONDARY
SCHOOL SCIENCE

20. SE 002 944 07 08 68 18 15 20 1 00 000 199
ROSS, HERBERT H.
THE LOGICAL BASES OF BIOLOGICAL INVESTIGATION

BIOSCIENCE

01 00 66 3
*BIOLOGICAL SCIENCES, *PHILOSOPHY, *SCIENTIFIC METHODOLOGY, *SCIENTIFIC ENTERPRISE, COLLEGE SCIENCE, RESOURCE MATERIALS, SECONDARY SCHOOL SCIENCE

21. SE 003 456 09 25 68 18 15 03 1 00 000 196
SALTINSKI, RONALD
INSTRUCTIONAL RESOURCES FOR EXTRATERRESTIAL BIOLOGY

METROPOLITAN DETROIT SCIENCE REVIEW

09 00 67 2
*BIBLIOGRAPHIES, *BIOLOGY, *COLLEGE SCIENCE, *SECONDARY SCHOOL SCIENCE, *SPACE SCIENCE, FILMS, REFERENCES, NATIONAL SPACE AND AERONAUTICS AND SPACE ADMINISTRATION

22. SE 003 119 07 10 68 18 15 37 2 00 000 406
SALTMAN, JULES
WHAT WE CAN DO ABOUT DRUG ABUSE

PUBLIC AFFAIRS PAMPHLETS, 381 PARK AVENUE, SOUTH, NEW YORK, NEW YORK

66 28
*DRUG ABUSE, *HEALTH EDUCATION, *NARCOTICS, *REHABILITATION PROGRAMS, *RESOURCE MATERIALS, ADULT EDUCATION, DRUG ADDICTION, ELEMENTARY EDUCATION, FEDERAL PROGRAMS, FEDERAL LEGISLATION, HIGHER EDUCATION, INTERNATIONAL PROGRAMS, NATIONAL PROGRAMS, SECONDARY EDUCATION, SOCIALLY DEVIATE BEHAVIOR, STATE PROGRAMS, SELF-HELP PROGRAMS

23. SE 002 928 07 08 68 17 15 03 1 00 000 199
SEIDENBERG, ARTHUR J.
BIBLIOGRAPHY - ANIMAL ECOLOGY

BIOSCIENCE

11 00 66 3
*BIOLOGICAL SCIENCES, *BIBLIOGRAPHIES, *ECOLOGY, *RESOURCE MATERIALS, *TEXTBOOKS, COLLEGE SCIENCE, INSTRUCTIONAL MATERIALS, SECONDARY SCHOOL SCIENCE, ZOOLOGY

GPO 810-567-4

24. SE 003 061 07 10 68 18 15 38 1 00 000 001
SHERMAN, KENNETH
COASTAL ZOOPLANKTON

THE AMERICAN BIOLOGY TEACHER

09 00 67 6
*BIOLOGY, *OCEANOLOGY, *RESOURCE MATERIALS, *SCIENCE ACTIVITIES,
COLLEGE SCIENCE, SECONDARY SCHOOL SCIENCE, ZOOLOGY

25. SE 003 058 07 09 68 18 15 38 1 00 000 001
STICKNEY, ALDEN P.
PHYSIOLOGY OF MARINE ORGANISMS AND ADAPTATION TO THEIR ENVIRONMENT

THE AMERICAN BIOLOGY TEACHER

09 00 67 4
*BIOLOGY, *ECOLOGY, *PHYSIOLOGY, *RESOURCE MATERIALS, *SCIENCE
ACTIVITIES, COLLEGE SCIENCE, OCEANOLOGY, SECONDARY SCHOOL SCIENCE

26. SE 002 942 07 08 68 17 13 03 1 00 000 199
WAGNER, WARREN H.
BIBLIOGRAPHY - PTERIDOPHYTES

BIOSCIENCE

12 00 65 2
*BIBLIOGRAPHIES, *BOTANY, *COLLEGE SCIENCE, *PTERIDOPHYTES,
*REFERENCE MATERIALS, BIOLOGY, INSTRUCTIONAL MATERIALS, SECONDARY
SCHOOL SCIENCE, TAXONOMY, TEXTBOOKS

27. SE 003 056 07 09 68 18 15 38 1 00 000 001
WATSON, JOHN E.
AGE AND GROWTH OF FISHES

THE AMERICAN BIOLOGY TEACHER

09 00 67 4
*AGE, *BIOLOGY, *ICHTHYOLOGY, *MEASUREMENT, *RESOURCE MATERIALS,
*SCIENCE ACTIVITIES, *ZOOLOGY, COLLEGE, FISH, SECONDARY SCHOOL
SCIENCE, SCIENCE DEMONSTRATIONS

28. SE 003 064 07 10 68 17 13 38 1 00 000 001
WILHM, JERRY L.
SIMULATION OF SAMPLING POPULATIONS OF BENTHIC MACROINVERTEBRATES

THE AMERICAN BIOLOGY TEACHER

09 00 67 4
*BIOLOGY, *ECOLOGY, *POPULATION DYNAMICS, *COLLEGE SCIENCE,
INSTRUCTIONAL MATERIALS, RESOURCE MATERIALS, SECONDARY SCHOOL
SCIENCE, SCIENCE ACTIVITIES

29. SE 003 117 03 06 68 17 15 37 3 20 000 399
YAHRAES, HERBERT
NARCOTIC DRUG ADDICTION

UNITED STATES GOVERNMENT PRINTING OFFICE

65 22
*DRUG ADDICTION, *HEALTH EDUCATION, MENTAL HEALTH, *NARCOTICS, ADULT EDUCATION, AMPHETAMINES, BARBITURATES, COCAINE, MARIHUANA, COLLEGE SCIENCE, DRUGS, ELEMENTARY SCHOOL SCIENCE, SECONDARY SCHOOL SCIENCE, HEALTH, PUBLIC HEALTH, TRANQUILIZERS, UNITED STATES DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, PUBLIC HEALTH SERVICE, MENTAL HEALTH MONOGRAPHS

30. SE 003 222 07 10 68 18 15 37 1 00 000 404
YOLLES, STANLEY F.
NARCOTIC ADDICT REHABILITATION ACT OF 1966

HEW INDICATORS

02 00 67 13
*DRUG ABUSE, *DRUG ADDICTION, *FEDERAL LEGISLATION, *INDIVIDUAL CHARACTERISTICS, *NARCOTICS, *REHABILITATION PROGRAMS, ADULT EDUCATION, ELEMENTARY EDUCATION, FEDERAL PROGRAMS, HEALTH EDUCATION, HIGHER EDUCATION, RESOURCE MATERIALS, SECONDARY EDUCATION, SOCIALLY DEVIATE BEHAVIOR, NATIONAL INSTITUTE OF HEALTH, NATIONAL INSTITUTE OF MENTAL HEALTH

2. Physical Sciences

1. SE 002 746 04 03 68 18 25 30 1 00 000 003
ADAMS, D. M. AND RAYNOR, J. B.
EXPLOSION HAZARD - PYRIDINE "PERCHROMATE"

JOURNAL OF CHEMICAL EDUCATION

02 00 66 1
*ACCIDENT PREVENTION, *CHEMISTRY, *COLLEGE SCIENCE, *LABORATORY EXPERIMENTS, *LABORATORY SAFETY, *SAFETY, SECONDARY SCHOOL SCIENCE, SCIENCE ACTIVITIES, PYRIDINE "PERCHROMATE"

2. SE 002 086 09 14 67 18 35 38 1 00 000 009
ALEXANDER, ROBERT L.
VISOELASTIC MODELS IN THE PHYSICS CURRICULUM

THE PHYSICS TEACHER

11 00 65 3
*ELASTICITY, *MODELS (SCIENTIFIC), *SECONDARY SCHOOL SCIENCE, *VISCOSITY, COLLEGE SCIENCE, PHYSICS, SCIENCE ACTIVITIES, SCIENCE DEMONSTRATIONS

3. SE 002 710 03 19 68 18 23 30 1 00 000 003
ALYEA, HUBERT N.
TOPS

JOURNAL OF CHEMICAL EDUCATION

06 00 66 2
*COLLEGE SCIENCE, *CHEMISTRY, *CONDUCTIVITY, *IONS, *SCIENCE ACTIVITIES, *SCIENCE DEMONSTRATIONS, ACIDS, BASES, IONIZATION, OVERHEAD PROJECTORS, SECONDARY SCHOOL SCIENCE, TESTED OVERHEAD PROJECTION SERIES

4. SE 002 616 02 20 68 18 25 30 1 00 000 003
ALYEA, HUBERT N.
TOPS

JOURNAL OF CHEMICAL EDUCATION

01 00 67 2
*CHEMISTRY, *COLLEGE SCIENCE, *ENERGY, *SCIENCE ACTIVITIES, *SCIENCE DEMONSTRATIONS, *SECONDARY SCHOOL SCIENCE, AUDIOVISUAL AIDS, CHEMICAL REACTIONS, PHOTOCHEMICAL REACTIONS, TESTED OVERHEAD PROJECTION SERIES (TOPS)

5. SE 002 729 03 19 68 18 25 30 1 00 000 003
ALYEA, HUBERT N.
TOPS

JOURNAL OF CHEMICAL EDUCATION

02 00 67 2
*COLLEGE SCIENCE, *CHEMISTRY, *ENERGY, *LIGHT,ENERGY, *OVERHEAD
PROJECTORS, *PHOTOCHEMISTRY, *SCIENCE ACTIVITIES, BLUEPRINTING,
SCIENCE DEMONSTRATIONS, TESTED OVERHEAD PROJECTION SERIES

6. SE 002 085 08 23 67 18 25 30 1 00 000 003
ALYEA, HUBERT N.
TESTED OVERHEAD PROJECTION SERIES

JOURNAL OF CHEMICAL EDUCATION

03 00 67 1
*AUDIOVISUAL AIDS, *CHEMISTRY, *COLLEGE SCIENCE, *CHEMICAL
REACTIONS, *ENERGY, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE,
OVERHEAD PROJECTORS, REACTION RATES, TEACHER RESOURCE MATERIALS,
TESTED OVERHEAD PROJECTION SERIES

7. SE 002 059 08 23 67 18 25 30 1 00 000 003
ALYEA, HUBERT N.
TESTED OVERHEAD PROJECTION SERIES

JOURNAL OF CHEMICAL EDUCATION

04 00 67 1
*AUDIOVISUAL AIDS, *CHEMISTRY, *COLLEGE SCIENCE, *CHEMICAL
REACTIONS, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, TEACHER
RESOURCE MATERIALS, REACTION RATES, OVERHEAD PROJECTORS, TESTED
OVERHEAD PROJECTION SERIES

8. SE 002 672 09 24 68 18 25 30 1 00 000 003
ALYEA, HUBERT N.
TESTED OVERHEAD PROJECTION SERIES

JOURNAL OF CHEMICAL EDUCATION

06 00 67 1
*CHEMISTRY, *COLLEGE SCIENCE, *LABORATORY EXPERIMENTS,
*LABORATORY TECHNIQUES, *LABORATORY PROCEDURES, *PHYSICS,
*SECONDARY SCHOOL SCIENCE, *SCIENCE EXPERIMENTS, *SCIENCE ACTIVITIES,
ATOMIC STRUCTURE, EQUILIBRIUM, RADIOACTIVITY, TESTED OVERHEAD
PROJECTION SERIES

9. SE 002 130 08 23 67 18 25 30 1 00 000 003
ALYEA, HUBERT N.
TESTED OVERHEAD PROJECTION SERIES

JOURNAL OF CHEMICAL EDUCATION

07 00 67 1
*ATOMIC THEORY, *ATMOSPHERE, *COLLEGE SCIENCE, *CHEMISTRY, *GASES, *RADIOACTIVITY, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, OVERHEAD PROJECTION TRANSPARENCIES, PHYSICS, TEACHER RESOURCE MATERIALS, TESTED OVERHEAD PROJECTION SERIES

10. SE 002 584 09 24 68 18 25 38 1 00 000 003
ALYEA, HUBERT N.
TESTED OVERHEAD PROJECTION SERIES

JOURNAL OF CHEMICAL EDUCATION

08 00 67 2
*ATMOSPHERE, *CHEMISTRY, *COLLEGE SCIENCE, *LABORATORY EXPERIMENTS, *LABORATORY PROCEDURES, *METALLURGY, *SECONDARY SCHOOL SCIENCE, *SCIENCE EXPERIMENTS, *SCIENCE DEMONSTRATIONS, BIOLOGY, PHYSICS

11. SE 003 876 09 27 68 18 25 30 1 00 000 003
ALYEA, HUBERT N.
TESTED OVERHEAD PROJECTION SERIES

JOURNAL OF CHEMICAL EDUCATION

09 00 67 2
*AUDIOVISUAL AIDS, *COLLEGE SCIENCE, *CHEMISTRY, *INSTRUCTION, *METALLURGY, *OVERHEAD PROJECTORS, *SCIENCE ACTIVITIES, *SCIENCE DEMONSTRATIONS, TESTED OVERHEAD PROJECTION SERIES

12. SE 003 317 09 25 68 18 25 30 1 00 000 003
ALYEA, HUBERT N.
TESTED OVERHEAD PROJECTION SERIES

JOURNAL OF CHEMICAL EDUCATION

10 00 67 2
*AUDIOVISUAL AIDS, *COLLEGE SCIENCE, *CHEMISTRY, *OVERHEAD PROJECTORS, *SECONDARY SCHOOL SCIENCE, *SCIENCE DEMONSTRATIONS, ALKALI METALS, CHEMICAL REACTIONS

13. SE 003 575 07 11 68 18 25 30 1 00 000 003
ALYEA, HUBERT N.
TOPS

JOURNAL OF CHEMICAL EDUCATION

11 00 67 2
*ALKALI METALS, *COLLEGE SCIENCE, *OVERHEAD PROJECTIONS, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, *SCIENCE DEMONSTRATIONS, CHEMISTRY, COPPER, ZINC, TESTED OVERHEAD PROJECTION SERIES

14. SE 003 867 09 27 68 18 25 30 1 00 000 003
ALYEA, HUBERT N.
TESTED OVERHEAD PROJECTION SERIES

JOURNAL OF CHEMICAL EDUCATION

12 00 67 2
*COLLEGE SCIENCE, *CHEMISTRY, *OVERHEAD PROJECTORS (PROJECTION), *PHYSICAL SCIENCES, *SCIENCE DEMONSTRATIONS, *SCIENCE ACTIVITIES, ALKALINE EARTHS, INSTRUCTION, METALS, SCIENCE ACTIVITIES, TEACHING TECHNIQUES, TESTED OVERHEAD PROJECTION SERIES, ZINC, MAGNESIUM, CALCIUM, MERCURY

15. SE 002 521 09 24 68 18 45 13 2 00 000 368
AMERICAN GEOLOGICAL INSTITUTE
DICTIONARY OF GEOLOGICAL TERMS

DOUBLEDAY AND COMPANY, INCORPORATED

62 510
*DICTIONARY, *EARTH SCIENCE, *GEOLOGY, AMERICAN GEOLOGICAL INSTITUTE

16. SE 002 505 09 24 68 18 45 29 1 00 000 368
AMERICAN GEOLOGICAL INSTITUTE
GEOLOGY - SCIENCE AND PROFESSION

AMERICAN GEOLOGICAL INSTITUTE

65 26
*CAREERS, *CAREER OPPORTUNITIES, *COLLEGE PREPARATION, *EDUCATIONAL OPPORTUNITIES, *EMPLOYMENT OPPORTUNITIES, *GEOLOGY, CURRICULUM PROBLEMS, STUDENT INTEREST, STUDENT SCIENCE INTEREST, AMERICAN GEOLOGICAL INSTITUTE

17. SE 002 205 02 07 68 18 35 34 1 00 000 350
AMERICAN INSTITUTE OF PHYSICS
THE PHYSICS TEACHER SUBJECT INDEX TO VOLUME 4

AMERICAN INSTITUTE OF PHYSICS

66 6
*COLLEGE SCIENCE, *INDEXES, *PHYSICS, SECONDARY SCHOOL SCIENCE,
THE PHYSICS TEACHER, 1966

18. SE 002 683 07 08 68 18 25 38 1 00 000 003
AYSCOUGH, P. B. AND OTHERS
THE PHOTOCHEMICAL OXIDATION OF AQUEOUS IODIDE SOLUTIONS

JOURNAL OF CHEMICAL EDUCATION

06 00 67 3
*CHEMISTRY, *LABORATORY EXPERIMENTS, *RESOURCE MATERIALS,
*SCIENCE EXPERIMENTS, *STUDENT ACTIVITIES, COLLEGE SCIENCE,
SECONDARY SCHOOL SCIENCE

19. SE 003 503 03 04 68 18 46 20 2 00 000 338
BEEBE, B. WARREN
THE MODEL LAW AND DEFINITION OF TERMS

GEOTIMES

12 00 65 3
*DEFINITIONS, *GEOLOGIST, *GEOPHYSICISTS, *GEOLOGY, *PROFESSIONAL
STANDARDS, *WORD LISTS, PROFESSIONAL ASSOCIATIONS, PROFESSIONAL
STANDARDS COMMITTEE, AMERICAN GEOLOGICAL INSTITUTE

20. SE 002 742 07 08 68 18 25 38 1 00 000 003
BOZAK, RICHARD E.
ACETYLATION OF FERROCENE

JOURNAL OF CHEMICAL EDUCATION

02 00 66 1
*CHEMISTRY, *LABORATORY EXPERIMENTS, *ORGANIC CHEMISTRY, *SCIENCE
EXPERIMENTS, *STUDENT ACTIVITIES, COLLEGE SCIENCE, CHROMATOGRAPHY,
RESOURCE MATERIALS, SECONDARY SCHOOL SCIENCE

21. SE 003 435 09 25 68 18 95 38 1 00 000 199
DECKER, JOHN P.
WORK AND ENERGY ARE MISLEADING CONCEPTS

BIOSCIENCE

09 00 65 2
*BIOLOGY, *ENERGY, *PHYSICS, *SCIENTIFIC CONCEPTS, *WORK, CONCEPT
FORMATION, COLLEGE SCIENCE, PHYSICAL SCIENCES, SECONDARY SCHOOL SCIENCE

22. SE 002 102 09 12 67 18 85 38 1 00 000 197
DEROSE, JAMES V.
WHAT DOES IT MEAN TO MEASURE?

JOURNAL OF GEOLOGICAL EDUCATION

04 00 67 2
*MEASUREMENT, ELEMENTARY SCHOOL SCIENCE, SECONDARY SCHOOL SCIENCE

23. SE 003 245 09 25 68 18 95 37 1 42 000 188
DUTHIE, RICHARD E. AND DONALD, B. D.
NUCLEAR POWERED SUBMARINES

U. S. ATOMIC ENERGY COMMISSION, DIVISION OF TECHNICAL INFORMATION

11 00 64 40
*NUCLEAR PHYSICS, *SUBMARINES, *TECHNOLOGY, *TECHNICAL EDUCATION, ATOMIC STRUCTURE, ATOMIC THEORY, MODERN PHYSICS, SCIENCE MATERIALS, ATOMIC ENERGY COMMISSION

24. SE 002 789 08 13 68 18 45 38 2 00 000 207
EARTH SCIENCE CURRICULUM PROJECT
FREE MATERIALS FOR EARTH SCIENCE TEACHERS

PRENTICE-HALL, INC.

03 00 65 25
*COLLEGE SCIENCE, *EARTH SCIENCE, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, *SECONDARY SCHOOL SCIENCE, *SCIENCE MATERIALS, ASTRONOMY, BOOKS, CONSERVATION EDUCATION, GEOLOGY, MAPS, METEOROLOGY, OCEANOLOGY, EARTH SCIENCE CURRICULUM PROJECT REFERENCE SERIES, NATIONAL SCIENCE FOUNDATION, AMERICAN GEOLOGICAL INSTITUTE

25. SE 002 993 07 09 68 18 45 03 3 00 000 207
EARTH SCIENCE CURRICULUM PROJECT
SELECTED REFERENCES FOR EARTH SCIENCE COURSES

PRENTICE-HALL, INC.

03 00 64 34
*ASTRONOMY, *EARTH SCIENCE, *GEOLOGY, *INSTRUCTION, *INSTRUCTIONAL MATERIALS, *LABORATORY MANUALS, *METEOROLOGY, *OCEANOLOGY, *PHYSICAL GEOGRAPHY, *REFERENCE MATERIALS, *RESOURCE MATERIALS, *TEXTBOOKS, *TEACHING GUIDES, BIBLIOGRAPHIES, COLLEGE SCIENCE, *CAREERS, CONSERVATION EDUCATION, CAREER PLANNNING, ELEMENTARY SCHOOL SCIENCE, FIELD TRIPS, REFERENCE BOOKS, SECONDARY SCHOOL SCIENCE, EARTH SCIENCE CURRICULUM PROJECT

26. SE 003 448 03 21 68 18 45 14 3 00 000 207
EARTH SCIENCE CURRICULUM PROJECT
SOURCES FOR EARTH SCIENCE INFORMATION

PRENTICE HALL, INC.

03 00 66 49
*DIRECTORIES, *EARTH SCIENCE, *ELEMENTARY SCHOOL SCIENCE, *INFORMATION SOURCES, *SCIENCE FACILITIES, *SECONDARY SCHOOL SCIENCE, ASTRONOMY, COLLEGES, COLLEGE SCIENCE, GEOLOGY, MUSEUMS, METEOROLOGY, OCEANOLOGY, PHYSICAL, GEOGRAPHY, SCIENCE PROJECTS, SCIENCE COURSE IMPROVEMENT PROJECT, EARTH SCIENCE CURRICULUM PROJECT, CANADA

27. SE 002 060 09 18 67 18 25 30 1 00 000 003
EBERHARDT, WILLIAM H.
PROPERTIES OF FLAMES

JOURNAL OF CHEMICAL EDUCATION

04 00 67 1
*CHEMISTRY, *COMBUSTION, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, COLLEGE SCIENCE, CHEM ED TESTED DEMONSTRATION

28. SE 002 089 08 23 67 18 35 38 1 00 000 009
GOTTLIEB, HERBERT H.
PHOTOELECTRIC EFFECT USING A TRANSISTORIZED ELECTROMETER

THE PHYSICS TEACHER

11 00 65 2
*LABORATORY EQUIPMENT, *PHOTOELECTRIC EFFECT, *SCIENCE ACTIVITIES, *SCIENCE FACILITIES, *COLLEGE SCIENCE, SCIENCE DEMONSTRATIONS, PHYSICS, SECONDARY SCHOOL SCIENCE, TEACHER RESOURCE MATERIALS

29. SE 003 390 03 07 68 18 53 20 1 00 000 197
GOULD, STEPHEN JAY
IS UNIFORMITARIANISM USEFUL?

JOURNAL OF GEOLOGICAL EDUCATION

10 00 67 2
*GEOLOGY, *PHYSICAL SCIENCE, *UNIFORMITARIANISM, SCIENTIFIC CONCEPTS

30. SE 002 109 08 23 67 18 35 38 1 00 000 009
HENRY, G. READING
SIMPLE INTRODUCTION TO THE KINETIC THEORY OF GASES

THE PHYSICS TEACHER

05 00 67 2
*COLLEGE SCIENCE, *KINETIC THEORY OF GASES, *MOLECULAR MOTION, *PHYSICS, GASES, SECONDARY SCHOOL SCIENCE, TEACHER RESOURCE MATERIALS, ATOMIC ENERGY COMMISSION

31. SE 002 061 09 18 67 18 25 30 2 00 000 003
LAUREN, PAUL M.
CHROMATOGRAPHY - INORGANIC SEPARATION USING CHALKBOARD CHALK

JOURNAL OF CHEMICAL EDUCATION

04 00 67 1
*CHEMISTRY, *CHROMATOGRAPHY, INORGANIC CHEMISTRY, *SCIENCE ACTIVITIES, ANALYTICAL TECHNIQUES, COLLEGE SCIENCE, LABORATORY EXPERIMENTS, SECONDARY SCHOOL SCIENCE, TEACHER RESOURCE MATERIALS, CHEM ED TESTED DEMONSTRATION

32. SE 003 870 09 27 68 18 95 03 1 00 000 003
LEO, R. F. AND INGERSON, E.
GEOLOGIC LITERATURE FOR CHEMISTS - A SELECTION OF INTRODUCTORY TEXTS AND REVIEW ARTICLES

JOURNAL OF CHEMICAL EDUCATION

12 00 67 4
*BIBLIOGRAPHIES, *COLLEGE SCIENCE, *CHEMISTRY TEACHERS, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE, ASTRONOMY, GEOPHYSICS, GEOLOGY, METEOROLOGY, OCEANOLOGY, PHYSICAL SCIENCES, RESOURCE MATERIALS

33. SE 003 497 03 04 68 18 46 03 2 00 000 338
MATTHEWS, WILLIAM H.
POPULAR GEOLOGY IN PRINT

GEOTIMES

03 00 66 2
*BIBLIOGRAPHIES, *EARTH SCIENCE, *GEOLOGY, REFERENCES

34. SE 002 692 07 08 68 18 25 20 1 00 000 003
MC GLASHAN, M. L.
THE USE AND MISUSE OF THE LAWS OF THERMODYNAMICS

JOURNAL OF CHEMICAL EDUCATION

05 00 66 7
*RESOURCE MATERIALS, *SCIENTIFIC PRINCIPLES, *THERMODYNAMICS, CHEMISTRY, COLLEGE SCIENCE, PHYSICS, SECONDARY SCHOOL SCIENCE

35. SE 002 937 07 08 68 17 95 03 1 00 000 199
NOVAK, ALFRED
BIBLIOGRAPHY - BIOCHEMISTRY

BIOSCIENCE

10 00 65 3
*BIOCHEMISTRY, *BIBLIOGRAPHIES, *BIOLOGY, *CHEMISTRY, *INSTRUCTIONAL MATERIALS, *RESOURCE MATERIALS, *TEXTBOOKS, CYTOLOGY, COLLEGE SCIENCE, SECONDARY SCHOOL SCIENCE

36. SE 002 147 07 12 68 18 35 03 2 00 000 009
PERRIN, FRED W.
BOOK LISTS

THE PHYSICS TEACHER

01 00 67 3
*ANNOTATED BIBLIOGRAPHIES, *ASTRONOMY, *OPTICS, *PHOTOGRAPHY, *TEXTBOOKS, BIBLIOGRAPHIES, COLLEGE SCIENCE, PHYSICS, SECONDARY SCHOOL SCIENCE, SCIENCE EQUIPMENT, OPTICAL SOCIETY OF AMERICA

37. SE 002 753 04 03 68 18 25 21 1 00 000 003
ROBERTS, N. K.
LETTERS

JOURNAL OF CHEMICAL EDUCATION

02 00 66 1
*BUFFERS, *CHEMISTRY, *TEXTBOOK CONTENT, ACIDS, BASES, COLLEGE SCIENCE, LABORATORY EXPERIMENTS, LETTERS, SECONDARY SCHOOL SCIENCE, SCIENCE ACTIVITIES, TEACHING TECHNIQUES

38. SE 003 824 04 18 68 18 35 30 1 00 000 002
RUBY, R. H.
LABORATORY DEMONSTRATIONS IN MECHANICS USING ELECTRICAL READOUT

AMERICAN JOURNAL OF PHYSICS

10 00 67 5
*COLLEGE SCIENCE, *LABORATORY DEMONSTRATIONS, *MECHANICS, *PHYSICS *SCIENCE ACTIVITIES, SECONDARY SCHOOL SCIENCE, BERKELEY PHYSICS LABORATORY

39. SE 002 680 02 21 68 18 25 30 1 00 000 003
RUDMAN, REUBEN
LABORATORY EXPERIMENTS IN LOW-TEMPERATURE X-RAY DIFFRACTION

JOURNAL OF CHEMICAL EDUCATION

06 00 67 4
*COLLEGE SCIENCE, *CHEMISTRY, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES, *SCIENCE EQUIPMENT, *X-RAY DIFFRACTION, HEAT, INSTRUMENTAL ANALYSIS, LABORATORY ACTIVITIES, ATOMIC ENERGY COMMISSION

40. SE 002 482 10 10 67 18 25 15 3 00 000 003
STEERE, NORMAN V., EDITOR
SAFETY IN THE CHEMICAL LABORATORY

JOURNAL OF CHEMICAL EDUCATION

67 125
*CHEMISTRY, *COLLEGE SCIENCE, *LABORATORY SAFETY, *SCHOOL SAFETY, *SECONDARY SCHOOL SCIENCE, ACCIDENT PREVENTION, AMERICAN CHEMICAL SOCIETY

41. SE 003 563 03 04 68 18 25 20 1 00 000 003
STEERE, NORMAN V., EDITOR
SAFETY IN THE CHEMICAL LABORATORY - MODE OF ACTION OF TOXIC SUBSTANCES

JOURNAL OF CHEMICAL EDUCATION

11 00 67 5
*CHEMISTRY, *COLLEGE SCIENCE, *LABORATORY SAFETY, *SECONDARY SCHOOL SCIENCE, *SAFETY, *SECONDARY TOXIC MECHANISMS, *TOXICITY

42. SE 002 606 10 18 67 18 25 38 1 00 000 003
STEERE, NORMAN V., EDITOR
SAFETY IN THE CHEMICAL LABORATORY - THRESHOLD LIMIT VALUES FOR 1966

JOURNAL OF CHEMICAL EDUCATION

01 00 67 10
*CHEMISTRY, * COLLEGE SCIENCE, *LABORATORY SAFETY, *TOXIC SUBSTANCES, SECONDARY SCHOOL SCIENCE, SCHOOL SAFETY, TOXICITY, THRESHOLD LIMIT VALUES (GAS), 1966

43. SE 002 068 02 06 68 18 93 30 1 00 000 003
STRAIN, HAROLD H. AND SHERMA, JOSEPH
M. TSWETT - ADSORPTION ANALYSIS AND CHROMATOGRAPHIC METHODS –APPLICATION TO THE CHEMISTRY OF THE CHLOROPHYLLS

JOURNAL OF CHEMICAL EDUCATION

04 00 67 2
*CHROMATOGRAPHY, ANALYTICAL TECHNIQUES, BIOLOGY, COLLEGE SCIENCE, CHEMISTRY, LABORATORY ACTIVITIES, SECONDARY SCHOOL SCIENCE, SCIENCE ACTIVITIES

44. SE 002 522 09 24 68 12 35 20 1 00 000 002
WEINER, CHARLES
JOSEPH HENRY AND THE RELATIONS BETWEEN TEACHING AND RESEARCH

AMERICAN JOURNAL OF PHYSICS

12 00 66 8
*PHYSICS, *SCIENCE HISTORY, CHEMISTRY, INSTRUCTION, MATHEMATICS, RESEARCH, SCIENCE RESEARCH, TEXTBOOKS, TEXTBOOK PREPARATION, JOSEPH HENRY

45. SE 003 101 02 27 68 18 35 15 3 00 000 388
YATES, B.
HOW TO FIND OUT ABOUT PHYSICS

PERGAMON PRESS

65 176
*COLLEGE SCIENCE, *PHYSICS, *SECONDARY SCHOOL SCIENCE, BIOGRAPHIES, DICTIONARIES, ENCYCLOPEDIAS, SCIENCE CAREERS, TEXTBOOKS, DOCTORAL THESES, INFORMATION CENTERS

3. Mathematics

1. SE 003 782 09 26 68 18 09 29 1 09 000 200
FLORIDA STATE DEPARTMENT OF EDUCATION
FOR PARENTS - UNDERSTANDING MATHEMATICS TODAY

FLORIDA STATE DEPARTMENT OF EDUCATION

66 19
*CURRICULUM DEVELOPMENT, *INFORMATION SCIENCES, *MATHEMATICS,
*PARENT EDUCATION, CURRICULUM GUIDES, MATHEMATICS EDUCATION,
NUMBER CONCEPTS, PROGRAM IMPROVEMENT, SETS

2. SE 003 536 09 25 68 18 09 03 1 00 000 006
TURNER, NURA D.
A BIBLIOGRAPHY FOR CAREERS IN MATHEMATICS

SCIENCE EDUCATION

10 00 61 3
*BIBLIOGRAPHIES, *CAREERS, *CAREER PLANNING, *EMPLOYMENT
OPPORTUNITIES, *MATHEMATICS, *MATHEMATICS CAREERS,
*OCCUPATIONS, ANNUAL HIGH SCHOOL MATHEMATICS CONTEST,
MATHEMATICAL ASSOCIATION OF AMERICA, SOCIETY OF ACTUARIES

4. Unclassified

1. SE 002 995 03 21 68 18 00 32 2 00 000 378
AMERICAN EDUCATIONAL RESEARCH ASSOCIATION
EDUCATIONAL RESEARCHER - A SUPPLEMENT DEVOTED TO INFORMATION
STORAGE, RETRIEVAL, AND DISSEMINATION

AMERICAN EDUCATIONAL RESEARCH ASSOCIATION, 1201 SIXTEENTH STREET,
N. W., WASHINGTON, D. C. 20036

67 20
*INFORMATION STORAGE, *INFORMATION RETRIEVAL, *INFORMATION DISSEMINATION, *NEWSLETTERS, COLLEGE SCIENCE, COMPUTERS, CHILD DEVELOPMENT, ELEMENTARY SCHOOL SCIENCE, EQUIPMENT MANUFACTURERS, EDUCATIONALLY DISADVANTAGED, EDUCATIONAL ADMINISTRATION, EXCEPTIONAL CHILDREN, INFORMATION SOURCES, JUNIOR COLLEGES, MENTAL HEALTH, SECONDARY SCHOOL SCIENCE, SCIENCE, SCIENCE EDUCATION, SOCIAL SCIENCES, ERIC, UNITED STATES OFFICE OF EDUCATION, NATIONAL SCIENCE FOUNDATION

2. SE 002 946 07 08 68 18 16 20 1 00 000 199
BATSCHELET, EDWARD
THE APPLICATION OF MATHEMATICS TO BIOLOGICAL PROBLEMS

BIOSCIENCE

01 00 66 3
*BIOLOGICAL SCIENCES, *MATHEMATICAL APPLICATIONS, *SCIENTIFIC METHODOLOGY, *SCIENTIFIC ENTERPRISE, MODELS, MATHEMATICS, RESOURCE MATERIALS, SCIENTIFIC RESEARCH

3. SE 003 550 09 26 68 18 95 20 1 00 000 006
CARR, ALBERT B.
THE ROLE OF STATE ACADEMIES OF SCIENCE IN SCIENCE EDUCATION

SCIENCE EDUCATION

10 00 62 3
*AGENCY ROLE, *EDUCATIONAL IMPROVEMENT, *EDUCATIONAL PROGRAMS, *PROGRAM DESCRIPTIONS, CURRICULUM, INSTRUCTION, LEARNING, SCIENCE EDUCATION, SCIENTIFIC PERSONNEL, SCIENCE COURSE IMPROVEMENT PROJECT, STATE ACADEMIES OF SCIENCE

4. SE 003 794 09 27 68 18 08 15 1 09 000 200
FLORIDA STATE DEPARTMENT OF EDUCATION
A GUIDE USING MAPS AND GLOBES IN FLORIDA SCHOOLS

FLORIDA STATE DEPARTMENT OF EDUCATION

62 62
*BIBLIOGRAPHIES, *ELEMENTARY SCHOOL EDUCATION, *FILMS,
*FILMSTRIPS, *MAP SKILLS, *SOCIAL STUDIES, *TEACHING
GUIDES, MAPS, SECONDARY SCHOOL EDUCATION

5. SE 003 060 07 10 68 18 95 38 1 00 000 001
GRAHAM, JOSEPH J.
OCEAN CURRENTS

THE AMERICAN BIOLOGY TEACHER

09 00 67 8
*BIOLOGY, *OCEANOLOGY, *RESOURCE MATERIALS, *SECONDARY SCHOOL
SCIENCE, *SCIENCE ACTIVITIES, COLLEGE SCIENCE, EARTH SCIENCE,
SCIENCE DEMONSTRATIONS

6. SE 003 121 02 29 68 18 85 03 1 00 000 419
HERBERT, DON
WINDOWS ON THE WORLD, THE POPULAR ARTS IN THE
CLASSROOM - STEREOTYPES IN SCIENCE

ELEMENTARY ENGLISH

04 00 57 3
*BIBLIOGRAPHIES, *ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL
TELEVISION, *POPULAR SCIENCE, *SCIENTISTS, *SECONDARY SCHOOL
SCIENCE

7. SE 003 069 03 19 68 18 95 38 1 00 000 007
HOWE, ROBERT W.
THE ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION

THE SCIENCE TEACHER

10 00 67 1
*APPLIED SCIENCES, *COLLEGE SCIENCE, *ELEMENTARY SCHOOL SCIENCE,
*INFORMATION RETRIEVAL, *INFORMATION ANALYSIS, *SCIENCE EDUCATION,
*SECONDARY SCHOOL SCIENCE, EDUCATIONAL RESEARCH, RESEARCH, ERIC

GPO 810-567-2

8. SE 002 947 07 08 68 18 96 20 1 00 000 199
LEWONTIN, RICHARD C.
IS NATURE PROBABLE OR CAPRICIOUS?

BIOSCIENCE

01 00 66 3
*BIOLOGICAL SCIENCES, *ESSAYS, *PHYSICAL SCIENCES, *PHILOSOPHY, *PROBABILITY, *SCIENTIFIC ENTERPRISE, RESOURCE MATERIALS, SCIENCE

9. SE 002 067 09 06 67 18 95 38 1 00 000 003
PINKERTON, RICHARD C. AND GLEIT, CHESTER E.
THE SIGNIFICANCE OF SIGNIFICANT FIGURES

JOURNAL OF CHEMICAL EDUCATION

04 00 67 2
*COLLEGE SCIENCE, *MATHEMATICAL PRECISION, *SECONDARY SCHOOL SCIENCE, *SIGNIFICANT FIGURES, CHEMISTRY, TEACHER RESOURCE MATERIALS

10. SE 002 929 09 24 68 18 86 20 1 00 000 199
SIMONS, HOWARD
SCIENCE - SENSE AND NONSENSE

BIOSCIENCE

12 00 66 2
*FEDERAL PROGRAMS, *FINANCIAL SUPPORT, *LEGISLATIVE REPORTS, AGRICULTURE, BUDGETS, CYBERNETICS, CONSERVATION, EDUCATION, HOUSING NEEDS, INFORMATION SCIENCE, RESOURCE MATERIAL, SCIENTIFIC RESEARCH, SOCIOECONOMIC INFLUENCE, URBANIZATION, GREAT SOCIETY, UNITED STATES HEALTH, EDUCATION AND WELFARE, NATIONAL SCIENCE FOUNDATION, ATOMIC ENERGY COMMISSION, DEPARTMENT OF DEFENSE

11. SE 002 214 09 24 68 18 95 30 2 00 000 207
STEPP, ANN
SETTING UP A SCIENCE PROJECT

PRENTICE HALL, INCORPORATED

66 56
*ELEMENTARY SCHOOL SCIENCE, *SECONDARY SCHOOL SCIENCE, *SCIENCE PROJECTS, GENERAL SCIENCE, STUDENT ACTIVITIES

AUTHOR INDEX

Authors are listed alphabetically. The document number of each publication listed is entered after the author's name. The letter and number stand for each section and subsection, respectively. The number enclosed in parentheses stands for the number of the article within the particular publication.

ABRAHAM, NORMAN AND OTHERS B2(1)

ADAMS, D. M. AND RAYNOR, J. B. D2(1)

ADAMS, LOWELL D1(1)

ADVISORY COUNCIL ON COLLEGE CHEMISTRY C1(1), C1(2)

AHEARNER, JOHN F. C1(3)

ALEXANDER, ROBERT L. D2(2)

ALLEN, P. J. C1(4)

ALYEA, HUBERT N. D2(3), D2(4), D2(5), D2(6), D2(7), D2(8), D2(9), D2(10), D2(11), D2(12), D2(13), D2(14)

AMARO, A. D1(2)

AMERICAN EDUCATIONAL RESEARCH ASSOCIATION D4(1)

AMERICAN GEOLOGICAL INSTITUTE D2(15), D2(16)

AMERICAN INSTITUTE OF PHYSICS B2(2), D2(17)

ANDERSON, DAVID L. C1(5)

ANDERSON, RONALD D. A1(1)

ANTHONY, VAUGHN D1(3)

ARKANSAS STATE DEPARTMENT OF EDUCATION A2(1)

ASSOCIATION FOR SCIENCE EDUCATION B4(1)

ATOJI, MASAO C1(6)

AULT, ADDISON AND KRAIG, RAYMOND C1(7)

AYSCOUGH, P. B. AND OTHERS D2(18)

BAKER, D. JAMES C1(8)

BANTA, H. E. AND NOAKES, JOHN E. C1(9)

BARR, E. SCOTT C1(10)

BARTLETT, J. KENNETH C1(11)

BARTON, DONALD AND WINTER, KEITH C1(12)

BATSCHELET, EDWARD D4(2)

BAYMAN, B. F. C1(13)

BEEBE, B. WARREN D2(19)

BEHRINGER, MARJORIE B1(1)

BEKEFI, G. AND BROWN, SANBORN C. C1(14)

BELFIELD, W. B1(2)

BELL, JERRY A. AND SNIDER, WILLIAM H. C1(15)

BELL, RITCHIE D1(4)

BENNETT, WILLIAM Y. B1(3)

BENTZ, ARTHUR W. B2(3)

BENUMOF, REUBEN C1(16)

BERG, J. ROBERT AND OTHERS B2(4)

BERRY, R. STEPHEN C1(17)

BLEWETT, JOHN P. C1(18)

BLOCK, B. AND OTHERS C1(19)

BORK, ALFRED M. C1(20)

BORK, ALFRED M. AND ARONS, ARNOLD B. C1(21)

BOSCH, J. J. TEN AND DEVOIGHT, M. J. A. C1(22)

BOYAR, HAROLD C. D1(5)

BOZAK, RICHARD E. D2(20)

BRANLEY, FRANKLYN M. A1(2), A1(3)

BRAUNSTEIN, JERRY C1(23)

BRILL, LEON D1(6)

BROWN, STANLEY B. A1(4)

BROWN, THEODORE M. C1(24)

CARMODY, WALTER R. C1(25)

CARMODY, WALTER R. AND WIERSMA, JACK B2(5)

CARR, ALBERT B. D4(3)

CARTER, MEREDITH L. B2(6)

CARVER, THOMAS R. AND PARTRIDGE, ROBERT B. C1(26)

CHACO, M. C. C1(27)

CHICAGO PUBLIC SCHOOLS B1(4)

CHILD, W. C., JR. AND RAMETTE, R. W. C1(28)

CHOW, R. H. AND HEROLD, J. S. C1(29)

CLARK, CLIFTON BOB B2(7)

COHEN, IRWIN AND BUSTARD, THOMAS C1(30)

COLLINS, R. E. C1(31)

COMMISSION ON COLLEGE PHYSICS C1(32), C1(33), C1(34)

CONWAY, B. E. AND SALOMON, MARK C1(25)

COON, D. D. C1(36)

CORLISS, WILLIAM R. C1(37)

DECKER, JOHN P. D2(21)

DELAFRA, R. L. AND KIRK, W. C1(38)

DEROSE, JAMES V. D2(22)

DINGLEDY, DAVID AND BARNARD, WALTER M. C1(39)

DUME, T. G. C1(40)

DURST, RICHARD A. C1(41)

DUTHIE, RICHARD E. AND DONALD, B. D. D2(23)

EARTH SCIENCE CURRICULUM PROJECT D2(24), D2(25), D2(26)

EBERHARDT, WILLIAM H. D2(27)

EDDY, NATHAN B. AND OTHERS D1(7)

EHRENKRANZ, T. E. B2(8)

ELEMENTARY SCHOOL SCIENCE PROJECT A1(5)

ELEMENTARY SCIENCE STUDY A1(6), A1(7), A1(8), A1(9), A1(10), A1(11), A1(12), A1(13), A1(14), A1(15), A1(16), A1(17), A1(18)

ELLIS, DAVID W. C1(42)

ELTON, L. R. B. AND JACKSON, DAPHNE F. C1(43)

ESCALANTE, A. YORK B1(5)

EVETT, ARTHUR A. C1(44)

FEATHER, N. C1(45)

FERNANDO, QUINTUS AND BUTCHER, JOHN C1(46)

FIESER, LOUIS F. C1(47)

FLORIDA STATE DEPARTMENT OF EDUCATION B3(1), D3(1), D4(4)

FOREST, HERMAN S. AND GREENSTEIN, HAROLD D1(8)

FRIEDMANN, G. B. AND SANDHU, H. S. C1(48)

FRIGERIO, NORMAN A. D1(9)

GANTERT, ROBERT L. B1(6)

GATLIN, LILA L. C1(49)

GELMAN, H. C1(50)

GEORGE, STEVEN W. AND CAMPBELL, J. ARTHUR C1(51)

GEORGIA STATE DEPARTMENT OF EDUCATION A1(19)

GEYER, R. E. D1(10)

GHENT, ARTHUR W. D1(11)

GIVENS, M. PARKER AND GOFFE, WILLIAM L. C1(52)

GOEDECKE, G. H. C1(53)

GOLDBERG, HARRIS P. AND JENSEN, HARBO P. B2(9)

GOLDMAN, LEON AND HORNBY, PETER C1 (54)

GOODFRIEND, P. L. C1(55)

GOTTLIEB, HERBERT H. D2(28)

GOULD, STEPHEN JAY D2(29)

GOVER, THOMAS A. C1(56)

GRAHAM, JOSEPH J. D4(5)

GRIFFY, T. A. C1(57)

GUENTHER, WILLIAM B. C1(58)

GUGGENHEIM, E. A. C1(59)

GUILLORY, WILLIAM A. C1(60)

HADLEY, RICHARD F. C1(61)

HAIGHT, G. P., JR. C1 (62), C1 (63)

HANRAHAN, E. S. C1(64)

HARTMAN, ROGER D. C1(65)

HARVALIK, Z. V. C1(66)

HAWORTH, DANIEL T. C1(67)

HECHT, CHARLES E. C1(68)

HENRY, G. READING D2(30)

HENRY, PAUL S. C1(69)

HERBERT, DON D4(6)

HIGHTON, RICHARD D1(12)

HOLLAHAN, JOHN R. C1(70)

HOLLOWAY, JOHN H. C1(71)

HOLSTEIN, EDWIN J. C1(72)

HOWE, ROBERT W. D4(7)

HYER, JAMES E. D1(13)

ILLINOIS STATE DEPARTMENT OF EDUCATION A2(2), B3(2)

JENKINS, D. A. AND LATHAN, J. L. C1(73)

JOHNSON, B. J. C1(74)

JOHNSTON, DAVID O. C1(75)

JOLLY, WILLIAM L. C1(76)

JONES, J. R. C1(77)

JORDAN, J. A. AND DUVAL, J. S. C1(78)

KAUFFMAN, GEORGE B. AND HOUGHTEN, RICHARD A. C1(79)

KAYA, JULIE J. AND CAMPBELL, J. ARTHUR C1(80)

KENNEDY, MANERT B1(7)

KING, JOHN G. C1(81)

KIVELSON, DANIEL AND OPPENHEIM, IRWIN C1(82)

KOHLER, ROBERT H. C1(83)

KOLESKE, JOSEPH B. AND FAUCHER, JOSEPH A. C1(84)

KRAHE, EDWARD AND ROCHOW, E. G. C1(85)

LAL, SUDARSHAN AND SRIVASTAVA, S. N. C1(86), C1(87), C1(88)

LANE, C. T. C1(89)

LARDER, DAVID F. C1(90)

LAUREN, PAUL M. D2(31)

LAVATELLI, LEO C1(91)

LEBALD, W. K. AND SALVO, V. J. C1(92)

LEDBETTER, JOHN W., JR. AND JONES, HARRY D. D1(14)

LEE, BRUCE E. C1(93)

LEO, R. F. AND INGERSON, E. D2(32)

LEONARD, CHARLES B. J. C1(94)

LERNER, ISIDOR C1(95)

LEWONTIN, RICHARD C. D4(8)

LITTLE, ELBERT L., JR. D1(15)

LIVINGSTON, R. L. C1(96)

LOGAN, S. R. C1(97)

LOS ANGELES CITY SCHOOLS A1(20), B2(10), B2(11)

LUDER, W. F. C1(98)

MASON, E. A. AND KRONSTADT, BARBARA C1(99)

MASTERS, CHARLES O. B1(8)

MATTHEWS, WILLIAM H. D2(33)

MEARS, DAVID AND BENSON, JOHN E. C1(100)

MEISLICH, HERBERT C1(101)

MELLON, M. G. C1(102)

MERCHANT, DONALD J. AND KAHN, RAYMOND H. D1(16)

MILGROM, HARRY A1(21), A1(22)

MOFFAT, J. B. C1(103)

MORGAN, JOSEPH AND LYSIAK, R. J. C1(104)

MORTLOCK, A. J. C1(105)

MOYNIHAN, CORNELIUS T. C1(106)

MULLANEY, PAUL F. C1(107)

MURPHY, GLENN W. D1(17)

MYERS, CLIFFORD E. C1(108)

MYSELS, KAROL J. C1(109)

MC GLASHAN, M. L. D2(34)

NAGEL, MICHAEL AND HAWORTH, F. E. C1(110), C1(111)

NELSON, DENNIS G. C1(112)

NEW HAMPSHIRE STATE DEPARTMEN OF EDUCATION B3(3)

NEW YORK STATE DEPARTMENT OF EDUCATION B1(9), B3(4), B3(5)

NICHOLSON, MARJORIE C1(113)

NIGHTINGALE, E. AND OTHERS B2(12)

NORBERG, R. E. C1(114)

NOVAK, ALFRED D2(35)

OVELMEN, SHERMAN O. D1(18)

PACKER, J. E. C1(115)

PERETTI, E. A. C1(116)

PERRIN, FRED W. D2(36)

PHYSICAL SCIENCE STUDY COMMITTEE B2(13), B2(14), B2(15), B2(16), B2(17)

PINKERTON, RICHARD C. AND GLEIT, CHESTER E. D4(9)

POOLE, WILLIAM F., JR. B2(18)

POONIA, N. S. C1(117)

POONIA, N. S. AND GREPTA, H. K. J. C1(118)

POONIA, N. S. AND OTHERS C1(119)

PORTER, T. R. B1(10), B2(19)

PRYOR, MARVIN J. B2(20)

RAIMIST, ROGER JOHN D1(19)

RAMETTE, RICHARD W. C1(120)

RENTOS, P. G. AND BAIER, E. J. C1(121)

RITTER, DALE F. C1(122)

ROBERTS, N. K. D2(37)

ROMER, R. H. C1(123)

ROSE, NORMAN C. C1(124)

ROSEN, GERALD C1(125)

ROSS, HERBERT H. D1(20)

ROY, CHALMER J. C1(126)

RUBY, R. H. D2(38)

RUCHLIS, HY A1(23)

RUDMAN, REUBEN C1(127), D2(39)

RUSSELL, ALLAN M. C1(128)

SALTINSKI, RONALD D1(21)

SALTMAN, JULES D1(22)

SANDERSON, R. T. C1(129)

SAWYER, ROGER WILLIAM AND FARMER, ROBERT A. B4(2)

SCARFONE, LEONARD M. C1(130)

SCHMITT, H. J. C1(131)

SCHMITZ, THOMAS M. AND DAVIES, RALPH K. C1(132)

SCHRIER, EUGENE E. C1(133)

SCHUMM, S. A. C1(134)

SCHWARZ, GUENTER AND AKERS, CHARLES E. C1(135)

SCHWARZ, GUENTER AND BEARDEN, ALAN J. C1(136)

SCIENCE CURRICULUM IMPROVEMENT STUDY A1(24), A1(25), A1(26)

SEELEY, MILLARD G. A, (28)

SEIDENBERG, ARTHUR J. D1(23)

SENOGLES, E. AND WOOLF, L. A. C1(137)

SHAW, DARLA A1(27)

SHERMAN, KENNETH D1(24)

SHIRER, DONALD L. AND BARTEL, THOMAS W. C1(138)

SHONLE, JOHN I. C1(139), C1(140)

SHOWALTER, VICTOR B4(3)

SHRADER, ERWIN F. C1(141)

SHURVELL, H. F. C1(142)

SEELEY, MILLARD G. A1(28)

SILLITTO, R. M. C1(143)

SIMONS, HOWARD D4(10)

SLINN, W. G. N. C1(144)

SMITH, EUGENE H. A1(29)

SOCRATES G. C1(145)

SOULES, JACK A. C1(146)

SPARBERG, ESTHER B. C1(147)

STEERE, NORMAN V. C1(148), C1(149), C1(150), D2(40), D2(41), D2(42)

STEPP, ANN D4(11)

STICKNEY, ALDEN P. D1(25)

STONE, E. E. C1(151)

STRAIN, HAROLD H. AND SHERMA, JOSEPH D2(43)

SWINEHART, JAMES H. C1(152)

TABBUTT, FREDERICK D. C1 (153)

THOMPSON, H. BRADFORD C1(154)

TIMPANO, DORIS M. B2(21)

TRAPP, CHARLES AND JOHNSON, RICHARD C1(155)

TRAUB, ALAN C. C1(156)

TUBBS, ELDRED F. C1(157)

TURNER, NURA DO D3(2)

TURNER, THOMAS J. C1(158)

TURRO, NICHOLAS J. C1(159)

VAN LENTE, K. A. C1(160)

VEENING, HANS C1(161)

VESSEL, M. F. A1(30)

WAGNER, WARREN H. D1(26)

WARKENTIN, J. C1(162)

WATSON, JOHN E. D1(27)

WEBB, HELEN H. C1(163)

WEINER, CHARLES D2(44)

WEISSMAN, ERIC C1(164)

WELCH, WALTER B1(11)

WENTWORTH, WAYNE E. C1(165)

WHIPPMAN, M. L. C1(166)

WHITE, J. EDMUND C1(167)

WHITESIDE, H. AND OTHERS C1(168)

WHITMER, ROBERT M. C1(169)

WILHM, JERRY L. D1(28)

WINCKLER, J. R. AND HOFFMANN, D. J. C1(170)

YAHRAES, HERBERT D1(29)

YATES, B. D2(45)

YINGST, AUSTIN C1(171)

YOLLES, STANLEY F. D1(30)

ZEMANSKY, MARK V. C1(172)

GPO 810-567-1